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PRODUCT SERIES 2: DC-DC STEP-DOWN CONVERTER

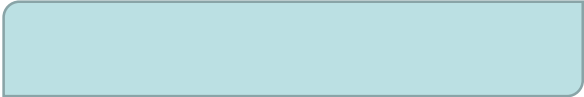


Part 1:

The following is:

12V 24V to 5V Converter

Waterproof 12V 24V change to 5V 2A 10W DC to DC Converter Step Down Voltage Transformer
for Car Audio Conversion Electric motors, fans, Audio, Trucks
Part Number: ET528489501603A2



Product Name	DC DC Converter 12V 24V to 5V 2A
Brand	EZONEDE
Model No.	36040502S
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V 24V
Input Voltage Range	DC 8-36V
Output	
Output Voltage	DC 5V
Output Current	2A, auto-adaption
Output Power	10W
Conversion Efficiency	>90%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
	Reverse Polarity protection
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	46*32*18mm
Installation Cable Length	13-14cm
Product Weight	65g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	

Step Down Buck Module 12V 24V to 5V 3A 15W DC/DC Converter Waterproof Car Power
Supply for Vechile LED Camera GPS Navigatorizer Buck Boost Converter 24V 36V to 12V
Power Converter

Part Number: ET8119064058A3



Product Name	12V/24V to 5V 3A 15W DC Converter
Brand	EZONEDE
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V / 24V
Input Voltage Range	DC 8-35V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	3A
Output Power	15W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	58*40*22mm
Product Weight	88g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Step Down Buck Module 12V 24V to 5V 3A 15W DC/DC Converter Waterproof Car Power
Supply for Vechile LED Camera GPS Navigatorizer Buck Boost Converter 24V 36V to 12V
Power Converter

Part Number: ET8119064058A4



Product Name	DC DC Converter 12V 24V to 5V 4A
Brand	EZONEDE
Model No.	36040504S
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V 24V
Input Voltage Range	DC 8-36V
Output	
Output Voltage	DC 5V
Output Current	4A, auto-adaption
Output Power	20W
Conversion Efficiency	>90%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40~85℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
	Reverse Polarity protection
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	46*32*18mm
Installation Cable Length	13-14cm
Product Weight	65g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	

12V 24V to 5V 8A 40W DC to DC Converter Step Down Voltage Transformer for Car Truck
Motorcycle
Part Number: ET564406987312A8



Product Name	DC DC Converter 12V 24V to 5V
Brand	EZONEDE
Model No.	C240508
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V 24V
Input Voltage Range	DC 8-35V
Output	
Output Voltage	DC 5V
Output Current	8A
Output Power	40W
Conversion Efficiency	>90%,95% max
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
Input/Output	No, please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	46*32*18mm
Installation Cable Length	13-14cm
Product Weight	65g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
Customized OEM Service	Accept

CPT 50W DC-DC Buck Converter 12V 24V to 5V 10A Voltage Converter Step Down Power
Supply Module for Taxi Vehicle Car LED Display Camera GPS Navigator
Part Number: ET8119064058A10



Product Name	12V 24V to 5V 10A 50W DC Converter
Brand	EZONEDE
Model No.	50WS
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12-24V
Input Voltage Range	DC8-35V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	10A
Output Power	50W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over heat protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	58*40*22mm
Product Weight	88g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

12V 24V to 5V 15A 75W DC to DC Converter Step Down Voltage Transformer Power
Technology for LED Display for Car Truck Motorcycle
Part Number: ET9571002932



Product Name	DC DC Converter 12V 24V to 5V 15A 75W
Brand	EZONED
Model No.	C240515
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V 24V
Input Voltage Range	DC 9-35V
Output	
Output Voltage	DC 5V
Output Current	15A
Output Power	75W
Conversion Efficiency	96%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
Input/Output	No, please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	58*40*22mm
Installation Cable Length	13-14cm
Product Weight	90g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Customized Service	Accept

DC-DC 12V to 5V 15W Converter Power Supply Step Down Waterproof Buck Module for Electric bike motorcycle LED

Part Number: ET16078093527V5A3



Product Name	12V to 5V 3A15W DC Converter
Brand	EZONEDE
Model No.	C120503
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 8-22V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	3A
Output Power	15W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection
	input reverse polarity protectionwaterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	35*24.5*20mm
Product Weight	32g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

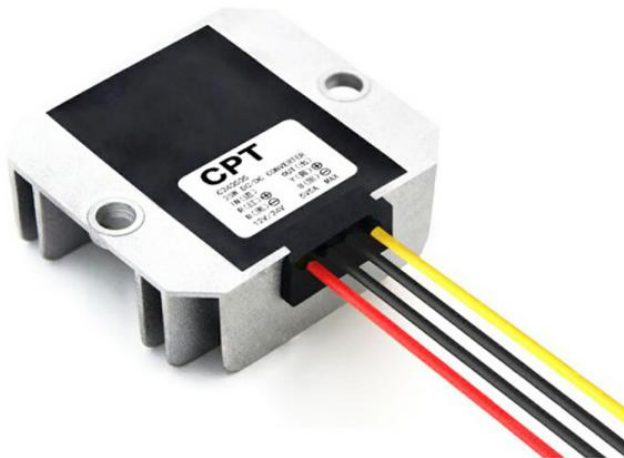
DC DC Converter 12V 24V to 5V 3A 15W Car Power Converter Non-Isolated Step-down Module
for mobile phone, car camera, Electric motors
Part Number: ET39633326611V5A3



Product Name	12V 24V to 5V 3A 15W DC Converter
Brand	EZONEDE
Model No.	400503L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC8-40V
Output(cable length: 12cm)	
Output Voltage	DC5V
Output Current	3A
Output Power	15W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~80℃ (If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection
	waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	NONE(Please Series diode at the input port.)
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	45*25*21mm
Product Weight	50g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Car LED Display Power supply 12V 24V to 5V 5A 25W Step Down Buck Module DC-DC Car Power Converter

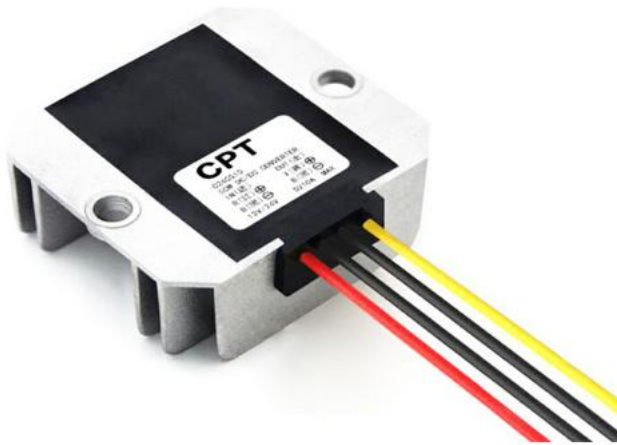
Part Number: ET20046719945A5



Product Name	12V 24V to 5V 5A 25W DC Converter
Brand	EZONEDE
Model No.	C240505
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V / 24V
Input Voltage Range	DC 8-35V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	5A
Output Power	25W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperatureshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	104g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC DC Converter 12V 24V to 5V 10A 50W Step Down Buck Modules Car Power Supply for LED Display Panel

Part Number: ET20046719945A10



Product Name	12V 24V to 5V 10A 50W DC Converter
Brand	EZONEDE
Model No.	C241210
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12-24V
Input Voltage Range	DC 8-35V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	10A
Output Power	50W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	104g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

12V 24V to 5V 8A 40W DC DC Converter Step Down Voltage Transformer Buck Transformer
Car Power Technology for LED Display
Part Number: ET19727794091A8



Product Name	DC-DC Converter 12V 24V to 5V 8A 40W
Brand	EZONEDE
Model	0805B
Input rated voltage	12V 24V DC
Input voltage range	DC 10-40V
Efficiency	93% (half load), 91% (full load)
Output voltage	5V
Output current	8A MAX
Output rated power	40W
Output peak power	48W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° c
Protection	Over-current, Over-temperature, Short-circuit protection, Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and nagative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power please make sure the voltage and power input is enough.	

12V 24V to 5V 8A 40W DC DC Converter Step Down Voltage Transformer Buck Transformer
Car Power Technology for LED Display
Part Number: ET19727794091A10



Product Name	DC-DC Converter 12V 24V to 5V 10A 50W
Brand	EZONEDE
Model	1005B
Input rated voltage	12V 24V DC
Input voltage range	DC 10-40V
Efficiency	93% (half load), 91% (full load)
Output voltage	5V
Output current	10A MAX
Output rated power	50W
Output peak power	60W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° c
Protection	Over-current, Over-temperature, Short-circuit protection, Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and nagative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power please make sure the voltage and power input is enough.	

DC to DC Voltage Reducer Buck Converter 12V 24V to 5V 15A 75W Step Down Voltage
Regulator Module Transformer for Car Audio TV RV
Part Number: ET19727794091A15



Product Name	DC-DC Converter 12V 24V to 5V 15A 75W
Brand	EZONEDE
Model	1505B
Input rated voltage	12V 24V DC
Input voltage range	DC 10-40V
Efficiency	93% (half load), 91% (full load)
Output voltage	5V
Output current	15A MAX
Output rated power	75W
Output peak power	90W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° c
Protection	Over-current, Over-temperature, Short-circuit protection, Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and nagative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power please make sure the voltage and power input is enough.	

Water proof 12V 24V to 5V 20A100W Car Power Supply for LED Display DC-DC Step Down
Converter DC Buck Module
Part Number: ET19727794091A20



Product Name	DC-DC Converter 12V 24V to 5V 20A 100W
Brand	EZONEDE
Model	2005B
Input rated voltage	12V 24V DC
Input voltage range	DC 10-40V
Efficiency	93% (half load), 91% (full load)
Output voltage	5V
Output current	20A MAX
Output rated power	100W
Output peak power	120W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° c
Protection	Over-current, Over-temperature, Short-circuit protection, Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and nagative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power please make sure the voltage and power input is enough.	

Waterproof 12V 24V to 5V 25A 125W Car Power Supply for LED Display DC-DC Step Down
Converter DC Buck Module for Car Truck Forklift Boat
Part Number: ET19727794091A25



Product Name	DC-DC Converter 12V 24V to 5V 25A
Brand	EZONED
Model	2505B
Input rated voltage	12V 24V DC
Input voltage range	DC 10-40V
Efficiency	93% (half load), 91% (full load)
Output voltage	5V
Output current	25A MAX
Output rated power	125W
Output peak power	150W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° c
Protection	Over-current, Over-temperature, Short-circuit protection, Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and nagative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power please make sure the voltage and power input is enough.	

Waterproof 12V 24V to 5V 30A 150W Car Power Supply for LED Display DC-DC Step Down
Converter DC Buck Module for Car Truck Forklift Boat
Part Number: ET19727794091A30



Product Name	DC-DC Converter 12V 24V to 5V 30A
Brand	EZONEDE
Model	3005B
Input rated voltage	12V 24V DC
Input voltage range	DC 10-40V
Efficiency	93% (half load), 91% (full load)
Output voltage	5V
Output current	30A MAX
Output rated power	150W
Output peak power	180W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° c
Protection	Over-current, Over-temperature, Short-circuit protection, Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and nagative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power please make sure the voltage and power input is enough.	

Part 2:

The following is:

24V to 12V Buck Converter

18W 24V to 12V 1500mA DC DC Power Converter 24VDC to 12VDC 1.5A Car Power Adapter
Regulator Module for CCTV Monitor
Part Number: ET10883960678A1.5



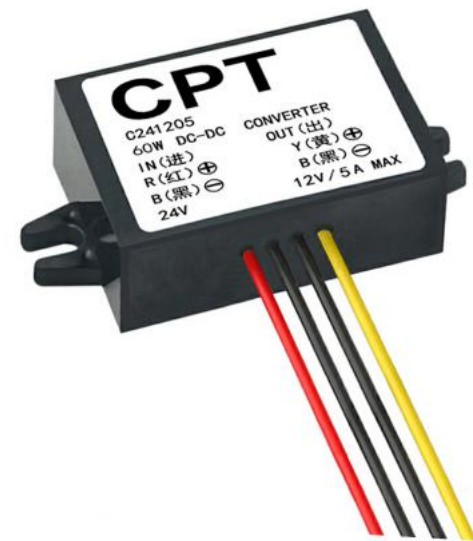
Product Name	24V to 12V 1.5A 18W DC Converter
Brand	EZONED
Model No.	C2412015
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC17-35V
Output(cable length: 12cm)	
Output Voltage	DC12V
Output Current	1.5A
Output Power	18W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃(If ambient temperature exceeds 40° ℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP67
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

36W 24V to 12V 3000mA DC DC Power Converter 24VDC to 12VDC 3A Car Power Adapter
Regulator Module for CCTV Monitor
Part Number: ET10883960678A3



Product Name	24V to 12V 3A 36W DC Converter
Brand	EZONED
Model No.	C241203
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC17-35V
Output(cable length: 12cm)	
Output Voltage	DC12V
Output Current	3A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20~85°C (If ambient temperature exceeds 40° C, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	58*40*22mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

60W 24V to 12V 5000mA DC DC Power Converter 24VDC to 12VDC 5A Car Power Adapter
Regulator Module for CCTV Monitor
Part Number: ET10883960678A5



Product Name	24V to 12V 5A 60W DC Converter
Brand	EZONEDE
Model No.	C241205
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 17-35V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	5A
Output Power	60W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~85℃(If ambient temperature exceeds 40° C, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP67
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

1500mA DC-DC Converter 24V 36V 48V Step Down to 12V 1.5A Buck Voltage Regulator Car
Power Supply Inverter Module
Part Number: ET16429153418A1.5



Product Name	15-55V to 12V 1.5A DC Converter
Brand	EZONED
Model No.	551215
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 15-55V
Input Voltage Range	DC 15-55V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	1.5A
Output Power	18W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectioninput reverse polarity protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

2000mA DC-DC 48V to 12V Converter 24V 36V (15V-55V) Step Down to 12V 2A Buck Voltage
Regulator Car Power Supply Inverter Module
Part Number: ET16429153418A2



Product Name	15-55V to 12V 2A DC Converter
Brand	EZONEDE
Model No.	55122
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 15-55V
Input Voltage Range	DC 15-55V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	2A
Output Power	24W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+80℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectioninput reverse polarity protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

3000mA DC-DC 48V to 12V Converter 24V 36V (15V-55V) Step Down to 12V 3A Buck Voltage
Regulator Car Power Supply Inverter Module
Part Number: ET16429153418A3



Product Name	15-55V to 12V 3A DC Converter
Brand	EZONED
Model No.	55123
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 15-55V
Input Voltage Range	DC 15-55V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	3A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+80℃(If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectioninput reverse polarity protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

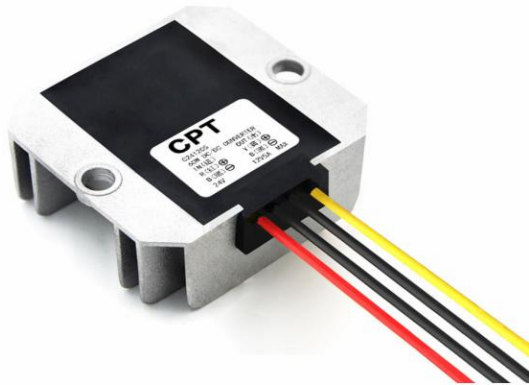
DC 24V to 12V 10A 120W Waterproof Booster Power Inverter DC DC Converter for Car Truck Vehicle
Part Number:ET560794473604



Product Name	24V to 12V DC Converter
Brand	EZONEDE
Model No.	C241210
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 17-35V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	10A
Output Power	120W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	-40℃~+80℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperatureShort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	46*32*18mm
Product Weight	100g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Waterproof DC DC 24V to 12V 5A 60W Buck Converter Step-Down Car Power Supply Voltage Regulator

Part Number: ET24348608425A5



Product Name	DC DC Converter 24V to 12V 5A 60W
Brand	EZONEDE
Model No.	C241205
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 24V
Input Voltage Range	DC 15-35V
Output	
Output Voltage	DC 12V
Output Current	5A, auto-adaption
Output Power	60W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40~+85℃
Waterproof Rating	IP68
Protection	Over-current protection 6A
	Overheat protection 150℃
	Output Short-circuit protection
	Full waterproof potting
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy/Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	Aluminum Case: 66*60*22mm/ Plastic Case: 46*32*18mm
Installation Cable Length	13-15cm
Product Weight	Aluminum Case: 104g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

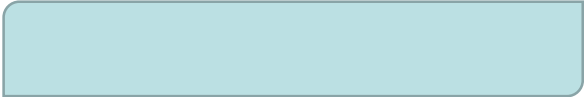
Waterproof DC DC 24V to 12V 10A 120W Buck Converter Step-Down Car Power Supply Voltage Regulator

Part Number: ET24348608425A5



Product Name	DC DC Converter 24V to 12V 10A 120W
Brand	EZONED
Model No.	C241210
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 24V
Input Voltage Range	DC 15-35V
Output	
Output Voltage	DC 12V
Output Current	10A, auto-adaption
Output Power	120W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~+85℃
Waterproof Rating	IP68
Protection	Full waterproof potting
	Overheat protection 150℃
	Output Short-circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy/Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	Aluminum Case: 66*60*22mm/ Plastic Case: 46*32*18mm
Installation Cable Length	13-15cm
Product Weight	Aluminum Case: 104g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

DC 24V to 12V 3A 36W DC Step Down Converter Car Power Supply with ACC Memory Car
Buck Modification Power
Part Number: ET39261792564A3



Product Name	DC DC Converter 24V to 12V
Brand	EZONEDE
Model No.	R241203
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 24V
Input Voltage Range	DC 17-35V
Output	
Output Voltage	DC 12V
Output Current	3A
Output Power	36W
Conversion Efficiency	90%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~+80℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts, ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	58*40*22mm
Installation Cable Length	13-14cm
Product Weight	97g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

DC 24V to 12V 5A 60W DC Step Down Converter Car Power Supply with ACC Memory Car
Buck Modification Power
Part Number: ET39261792564A5



Product Name	DC DC Converter 24V to 12V
Brand	EZONED
Model No.	R241205
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 24V
Input Voltage Range	DC 17-35V
Output	
Output Voltage	DC 12V
Output Current	5A
Output Power	60W
Conversion Efficiency	90%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~+80℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	58*40*22mm
Installation Cable Length	13-14cm
Product Weight	97g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

DC 24V to 12V 8A 96W DC Step Down Converter Car Power Supply with ACC Memory Car
Buck Modification Power for LED GPS Speaker Fan
Part Number: ET39261792564A8



Product Name	DC DC Converter 24V to 12V
Brand	EZONEDE
Model No.	R241208
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 24V
Input Voltage Range	DC 17-35V
Output	
Output Voltage	DC 12V
Output Current	8A
Output Power	96W
Conversion Efficiency	90%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~+80℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	58*40*22mm
Installation Cable Length	13-14cm
Product Weight	97g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

DC 24V to 12V 10A 120W DC Step Down Converter Car Power Supply with ACC Memory Car
Buck Modification Power for LED GPS Speaker Fan
Part Number: ET39261792564A10



Product Name	DC DC Converter 24V to 12V
Brand	EZONED
Model No.	R241210
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 24V
Input Voltage Range	DC 17-35V
Output	
Output Voltage	DC 12V
Output Current	10A
Output Power	120W
Conversion Efficiency	90%
Voltage regulation	±1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~80℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	58*40*22mm
Installation Cable Length	13-14cm
Product Weight	97g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

DC 24V to 12V 12A 144W DC Step Down Converter Car Power Supply with ACC Memory Car
Buck Modification Power for LED GPS Speaker Fan
Part Number: ET39261792564A12



Product Name	DC DC Converter 24V to 12V
Brand	EZONED
Model No.	R241212
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 24V
Input Voltage Range	DC 17-35V
Output	
Output Voltage	DC 12V
Output Current	12A
Output Power	144W
Conversion Efficiency	90%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~80℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	58*40*22mm
Installation Cable Length	13-14cm
Product Weight	97g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

24V to 12V 1500mA 18W Mini DC DC Power Transformer 24VDC to 12VDC Step Down Voltage
Regulator Module for Car LED
Part Number: ET39632234888A1.5



Product Name	24V to 12V 1.5A 18W DC Converter
Brand	EZONEDC
Model No.	2412015
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC15-40V
Output(cable length: 12cm)	
Output Voltage	DC12V
Output Current	1.5A
Output Power	18W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20~60℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	37*26*22mm
Product Weight	40g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

24V to 12V 2000mA 24W Mini DC DC Power Transformer 24VDC to 12VDC Step Down Voltage
Regulator Module for Car LED
Part Number: ET39632234888A2



Product Name	24V to 12V 2A 24W DC Converter
Brand	EZONEDC
Model No.	241202
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC15-40V
Output(cable length: 12cm)	
Output Voltage	DC12V
Output Current	2A
Output Power	24W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~60℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	37*26*22mm
Product Weight	40g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

24V to 12V 3000mA 36W Mini DC DC Power Transformer 24VDC to 12VDC Step Down Voltage
Regulator Module for Car LED
Part Number: ET39632234888A3



Product Name	24V to 12V 3A 36W DC Converter
Brand	EZONEDC
Model No.	241203
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC15-40V
Output(cable length: 12cm)	
Output Voltage	DC12V
Output Current	3A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20~60℃ (If ambient temperature exceeds 40° C, lower power use, or to enhance heat dissipation)
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	37*26*22mm
Product Weight	40g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

24V to 12V 5000mA 60W Mini DC DC Power Transformer 24VDC to 12VDC Step Down Voltage
Regulator Module for Car LED
Part Number: ET39632234888A5



Product Name	24V to 12V 5A 60W DC Converter
Brand	EZONEDE
Model No.	241206
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC15-40V
Output(cable length: 12cm)	
Output Voltage	DC12V
Output Current	5A
Output Power	60W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20~60℃ (If ambient temperature exceeds 40° C, lower power use, or to enhance heat dissipation)
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	37*26*22mm
Product Weight	40g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

24V to 12V DC Converter 24VDC to 12VDC Step Down Voltage Converter 3A Buck Power
Supply for Car Truck
Part Number: ET535370873459A3



Product Name	24V to 12V 3A DC Converter
Brand	EZONEDE
Model No.	FJ40D12A3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	3A
Output Power	36W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	-20℃~+60℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperatureShort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

24V to 12V 5A DC Converter 24VDC to 12VDC Step Down Voltage Converter 5000mA Buck
Power Supply for Car Truck
Part Number: ET535370873459A5



Product Name	24V to 12V 5A DC Converter
Brand	EZONEDE
Model No.	FJ40D12A5
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	5A
Output Power	60W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	-20℃~+60℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperatureShort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

24V to 12V 8A DC Converter 24VDC to 12VDC Step Down Voltage Converter 8000mA Buck
 Power Supply for Car Truck
 Part Number: ET535370873459A8



Product Name	24V to 12V 8A DC Converter
Brand	EZONEDE
Model No.	FJ40D12A8
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	8A
Output Power	96W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	-20℃~60℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperatureShort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

24V to 12V 10A DC Converter 24VDC to 12VDC Step Down Voltage Converter Buck Power
Supply for Car Truck

Part Number: ET535370873459A10



Product Name	24V to 12V 10A DC Converter
Brand	EZONEDE
Model No.	FJ40D12A10
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	10A
Output Power	120W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	-40℃~+80℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperatureShort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Volt Regulator 24V to 12V 1A 12W mini DC DC Buck Converter Step Down Voltage Converter
Power Supply for Car Trucks
Part Number: ET554867082529A1



Product Name	24V to 12V 1A DC Converter
Brand	EZONEDE
Model No.	4001201L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	1A
Output Power	12W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	25℃~65℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	45*25*21mm
Product Weight	50g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Volt Regulator 24V to 12V 2A 24W mini DC DC Buck Converter Step Down Voltage Converter
Power Supply for Car Trucks
Part Number: ET554867082529A2



Product Name	24V to 12V 2A DC Converter
Brand	EZONEDE
Model No.	4001202L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	2A
Output Power	24W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	25℃~65℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	45*25*21mm
Product Weight	50g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Volt Regulator 24V to 12V 3A 36W mini DC DC Buck Converter Step Down Voltage Converter
Power Supply for Car Trucks
Part Number:ET554867082529A3



Product Name	24V to 12V 3A DC Converter
Brand	EZONEDE
Model No.	4001203L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	3A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	25℃~65℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	45*25*21mm
Product Weight	50g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Volt Regulator 24V to 12V 4A 48W mini DC DC Buck Converter Step Down Voltage Converter
Power Supply for Car Trucks
Part Number:ET554867082529A4



Product Name	24V to 12V 4A DC Converter
Brand	EZONEDE
Model No.	4001204L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	4A
Output Power	48W
Conversion Efficiency	95%
Voltage regulation	$\pm 1\%$
Load regulation	$\pm 2\%$
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	25℃~65℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	45*25*21mm
Product Weight	50g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Volt Regulator 24V to 12V 4A 48W mini DC DC Buck Converter Step Down Voltage Converter
 Power Supply for Car Trucks
 Part Number:ET554867082529A5



Product Name	24V to 12V 5A DC Converter
Brand	EZONEDE
Model No.	4001205L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	5A
Output Power	60W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 240mV
No-load current	<60mA
Working Temperature	25℃~65℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	45*25*21mm
Product Weight	50g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Waterproof Electronic LED Driver 24V DC to 12V DC 8A 96W Voltage Converter Car Power
Supply for Solar Panel
Part Number:ET8320752060A8



Product Name	24V to 12V 8A 96W DC Converter
Brand	EZONEDE
Model No.	0812B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	8A
Output Power	96W
Conversion Efficiency	>95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Waterproof 24V DC to 12V DC 10A 120W Voltage Converter Car Power Supply for Solar Panel
water pumps Electronic LED Driver
Part Number: ET8320752060A10



Product Name	24V to 12V 10A 120W DC Converter
Brand	EZONEDE
Model No.	1012B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	10A
Output Power	120W
Conversion Efficiency	>95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Waterproof 24V DC to 12V DC 12A 144W Voltage Converter Car Power Supply for Solar Panel
Electronic LED Driver Water Pumps
Part Number: ET8320752060A12



Product Name	24V to 12V 12A 144W DC Converter
Brand	EZONEDE
Model No.	1212B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	12A
Output Power	144W
Conversion Efficiency	>95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Waterproof Electronic LED Driver 24V DC to 12V DC 15A 180W Voltage Converter Car Power
Supply for Solar Panel Water Pumps
Part Number: ET8320752060A15



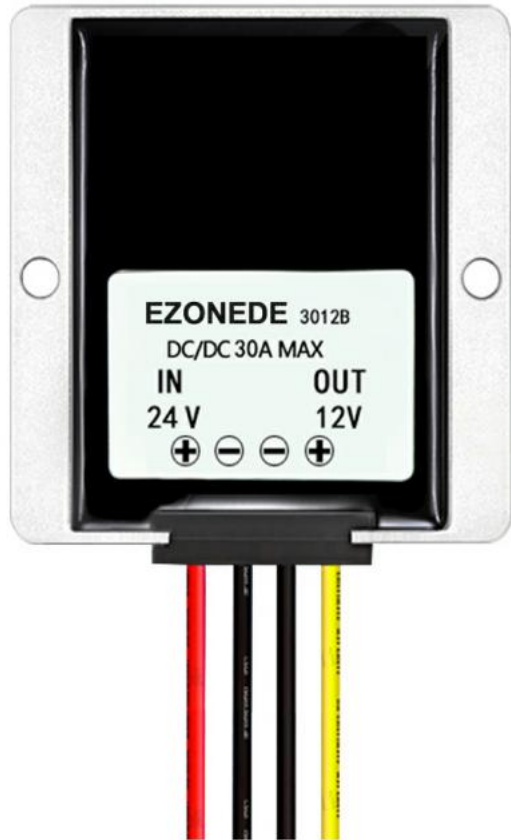
Product Name	24V to 12V 15A 180W DC Converter
Brand	EZONEDE
Model No.	1512B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	15A
Output Power	180W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Waterproof 24V DC to 12V DC 20A 240W Voltage Converter Power Supply for Solar Panel LED
Driver Car Camera Water Pumps
Part Number: ET8320752060A20



Product Name	24V to 12V 20A 240W DC Converter
Brand	EZONEDE
Model No.	2012B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	20A
Output Power	240W
Conversion Efficiency	95%
Voltage regulation	±1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Waterproof 24V DC to 12V DC 30A 360W Voltage Converter Power Supply for Solar Panel LED
Driver Car Trucks Camera Water Pumps
Part Number: ET8320752060A30



Product Name	24V to 12V 30A 360W DC Converter
Brand	EZONED
Model No.	3012B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 15-40V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	30A
Output Power	360W
Conversion Efficiency	>95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Part 3:

The following is:

24V to 19V Buck Converter

DC-DC Converter 24V to 19V 5A 95W Buck Step Down Module Car Power Supply for Laptop
Notebook
Part Number: ET522197988579A5



Product Name	DC-DC Converter 24V to 19V 5A
Model	241905
Input rated voltage	24V DC
Input voltage range	22-40V DC
Efficiency	95%
Output voltage	19V
Output current	5A MAX
Output rated power	95W
Output peak power	114W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-40° C ~+80° C (If ambient temperature exceeds 40° C, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° C
Protection	Over-current, Over-temperature,Short-circuit protection,Instant absorption of high voltage protection Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and negative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power, please make sure the voltage and power input is enough.	

DC-DC Converter 24V to 19V 5A 95W Buck Step Down Module Car Power Supply for Laptop
Notebook
Part Number: ET522197988579A10



Product Name	DC-DC Converter 24V to 19V 5A
Model	241910
Input rated voltage	24V DC
Input voltage range	22-40V DC
Efficiency	95%
Output voltage	19V
Output current	10A MAX
Output rated power	190W
Output peak power	228W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-40° C ~+80° C (If ambient temperature exceeds 40° C, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° C
Protection	Over-current, Over-temperature,Short-circuit protection,Instant absorption of high voltage protection Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and negative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power, please make sure the voltage and power input is enough.	

DC-DC Converter 24V to 19V 5A 95W Buck Step Down Module Car Power Supply for Laptop
Notebook
Part Number: ET522197988579A15



Product Name	DC-DC Converter 24V to 19V 5A
Model	241915
Input rated voltage	24V DC
Input voltage range	22-40V DC
Efficiency	95%
Output voltage	19V
Output current	15A MAX
Output rated power	285W
Output peak power	342W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-40° C ~+80° C (If ambient temperature exceeds 40° C, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° C
Protection	Over-current, Over-temperature,Short-circuit protection,Instant absorption of high voltage protection Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and negative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power, please make sure the voltage and power input is enough.	

Part 4:

The following is:

36V to 12V Buck Converter

DC-DC Converter 36V to 12V 1A 12W Step Down Buck Voltage Regulator Car Power Supply
Module for Vehicle Smart phone LED Camera GPS
Part Number: ET35737760621A1



Product Name	36V to 12V 1A DC Converter
Brand	EZONED
Model No.	600112
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 36V
Input Voltage Range	DC 22-60V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	1A
Output Power	12W
Conversion Efficiency	95%
Voltage regulation	±1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection, Over-heating protection
	Short circuit protection, Low voltage starting protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC-DC Converter 36V to 12V 2A 24W Step Down Buck Voltage Regulator Car Power Supply
Module for Vehicle Smart phone LED Camera GPS
Part Number: ET35737760621A2



Product Name	36V to 12V 2A DC Converter
Brand	EZONED
Model No.	600212
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 36V
Input Voltage Range	DC 22-60V
Output(cable length: 12cm)	Output(cable length: 12cm)
Output Voltage	DC 12V
Output Current	2A
Output Power	24W
Conversion Efficiency	95%
Voltage regulation	±1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection, Over-heating protection
	Short circuit protection, Low voltage starting protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC-DC Converter 36V to 12V 3A 36W Step Down Buck Voltage Regulator Car Power Supply
Module for Vehicle Smart phone LED Camera GPS
Part Number: ET35737760621A3



Product Name	36V to 12V 3A DC Converter
Brand	EZONED
Model No.	600312
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 36V
Input Voltage Range	DC 22-60V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	3A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~85℃(If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection, Over-heating protection
	Short circuit protection, Low voltage starting protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC-DC Converter 36V to 12V 10A 120W Volt Reducer Step Down Buck Voltage Regulator Car
Power Supply Module for Vehicle Smart phone LED Camera GPS
Part Number: ET35852436986



Product Name	36V to 12V 10A 120W DC Converter
Brand	EZONEDE
Model No.	361210
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 36V
Input Voltage Range	DC 20-55V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	10A
Output Power	120W
Output peak power	144W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	280g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC-DC Converter 36V to 12V 15A 180W Volt Reducer Step Down Buck Voltage Regulator Car
Power Supply Module for Forklifts Vehicle Smart phone LED Camera GPS
Part Number: ET39227242641



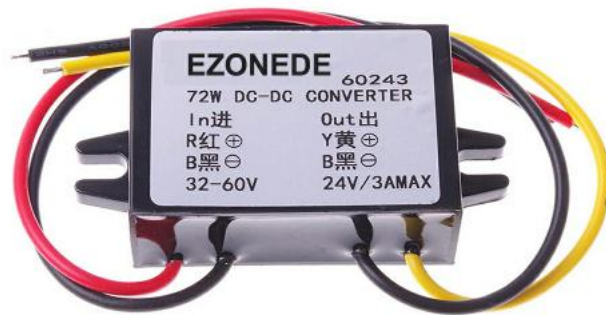
Product Name	36V to 12V 15A 180W DC Converter
Brand	EZONEDE
Model No.	361215
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 36V
Input Voltage Range	DC24V-48V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	15A
Output Power	180W
Output peak power	216W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	280g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Part 5:

The following is:

36V to 24V Buck Converter

DC-DC 60V (32-60V) to 24V 3A 72W Synchronous Buck Converter Waterproof Voltage
Regulator Volt Step-down Power Supply Transformer Module for Electric mobile Vehicle
Part Number: ET36461205652



Features:

Synchronous Buck Power

Input voltage: DC 32-60V

Output voltage: DC 24V

Output Current: 3A 72W long term work

Protection: Output short circuit, overload

Dimensions: 46 * 32 * 18 mm

Glue craft, waterproof, moisture-proof, dust-proof, shock-proof

High conversion rate, 90%(full load), up to 95% lower than the heat

Working temperature: -25℃~+65℃ limit -40℃~+80℃

Conversion rate = Input power / input power

Note:

there is no reverse polarity protection, be sure to follow the wiring instructions, otherwise it will be burnt. The red wire is the input positive, the black wire is the public negative, and the yellow wire is the output positive.

DC/DC 36V to 24V 5A 120W Synchronous Buck Converter Waterproof Voltage Regulator Volt
Step-down Power Supply Transformer Module for Vehicle
Part Number: ET26458188455



Product Name	DC-DC Converter 36V to 24V 5A
Model	362405
Input rated voltage	36V DC
Input voltage range	30-60V DC
Efficiency	95%
Output voltage	24V
Output current	5A MAX
Output rated power	120W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-40℃ ~+80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50℃
Protection	Over-current, Over-temperature, Short-circuit protection,Instant absorption of high voltage protection Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and negative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power, please make sure the voltage and power input is enough.	

DC/DC 36V to 24V 10A 240W Synchronous Buck Converter Waterproof Voltage Regulator Volt
Step-down Power Supply Transformer Module for Vehicle
Part Number: ET19148610262



Product Name	DC-DC Converter 36V to 24V 10A
Model	362410
Input rated voltage	36V DC
Input voltage range	30-60V DC
Efficiency	95%
Output voltage	24V
Output current	10A MAX
Output rated power	240W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-40℃ ~+80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50℃
Protection	Over-current, Over-temperature, Short-circuit protection,Instant absorption of high voltage protection Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and nagative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power, please make sure the voltage and power input is enough.	

DC/DC 36V to 24V 15A 360W Synchronous Buck Converter Waterproof Voltage Regulator Volt
Step-down Power Supply Transformer Module for Vehicle
Part Number: ET42616128413



Product Name	DC-DC Converter 36V to 24V 15A
Model	362415
Input rated voltage	36V DC
Input voltage range	30-60V DC
Efficiency	95%
Output voltage	24V
Output current	15A MAX
Output rated power	360W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-40℃ ~+85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50° c
Protection	Over-current, Over-temperature,Short-circuit protection,Instant absorption of high voltage protection Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	280g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and nagative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power, please make sure the voltage and power input is enough.	

DC/DC 36V to 24V 22A 528W Synchronous Buck Converter Waterproof Voltage Regulator Volt
Step-down Power Supply Transformer Module for Vehicle
Part Number: ET522162900268



Product Name	DC-DC Converter 36V to 24V 22A
Model	362422L
Input rated voltage	36V DC
Input voltage range	30-60V DC
Efficiency	95%
Output voltage	24V
Output current	22A MAX
Output rated power	528W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-40℃ ~+85℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	50℃
Protection	Over-current, Over-temperature, Short-circuit protection,Instant absorption of high voltage protection Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	290g
Product size	74*74*32MM
Attention:	
Please install according to the the label strictly,positive pole and negative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power, please make sure the voltage and power input is enough.	

Part 6:

The following is:

48V to 5V Buck Converter

48V to 5V DC-DC Converters 1A 5W Buck Converter Waterproof Voltage Regulator Volt Step down Power Supply Transformer Module for Automobile

Part Number: ET20747996404A1



Product Name	DC DC Converter 8-55V to 5V
Brand	EZONEDE
Model No.	550501
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V24V36V48V
Input Voltage Range	DC 8-55V
Output	
Output Voltage	DC 5V
Output Current	1A, auto-adaption
Output Power	5W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~+85℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Full waterproof potting
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	46*32*18mm
Installation Cable Length	13-14cm
Product Weight	65g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

48V to 5V DC-DC Converters 2A 10W Buck Converter Waterproof Voltage Regulator Volt Step
down Power Supply Transformer Module for Automobile
Part Number: ET20747996404A2



Product Name	DC DC Converter 8-55V to 5V
Brand	EZONEDE
Model No.	550502
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V24V36V48V
Input Voltage Range	DC 8-55V
Output	
Output Voltage	DC 5V
Output Current	2A, auto-adaption
Output Power	10W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~+85℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Full waterproof potting
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	46*32*18mm
Installation Cable Length	13-14cm
Product Weight	65g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

48V to 5V DC-DC Converters 3A 15W Buck Converter Waterproof Voltage Regulator Volt Step
down Power Supply Transformer Module for Automobile
Part Number: ET20747996404A3



Product Name	DC DC Converter 8-55V to 5V
Brand	EZONEDE
Model No.	550503
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V24V36V48V
Input Voltage Range	DC 8-55V
Output	
Output Voltage	DC 5V
Output Current	3A, auto-adaption
Output Power	15W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40~85℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Full waterproof potting
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	46*32*18mm
Installation Cable Length	13-14cm
Product Weight	65g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Accept

12V 24V 36V 48V 60V to 5V 3A DC-DC Converter Volt Step Down Buck Module Car Power
supply Transformer Waterproof Voltage Regulator for Automobile High Quality

Part Number: ET36463376251A3



Product Name	9-60V to 5V 3A 15W DC Converter
Brand	EZONEDE
Model No.	600503S
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	12V 24V 36V 48V 60V
Input Voltage Range	DC 9-60V
Output(cable length: 12cm)	
Output Voltage	DC5V
Output Current	3A
Output Power	15W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~65℃, (extreme limit -40℃~80℃, If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Short circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

12V 24V 36V 48V 60V to 5V 5A 25W DC-DC Converter Volt Step Down Buck Module Car
Power Supply Transformer Waterproof Voltage Regulator for Automobile High Quality
Part Number: ET36463376251A5



Product Name	9-60V to 5V 5A 25W DC Converter
Brand	EZONED
Model No.	600505S
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	12V 24V 36V 48V 60V
Input Voltage Range	DC 9-60V
Output(cable length: 12cm)	
Output Voltage	DC5V
Output Current	5A
Output Power	25W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~65℃, (extreme limit -40℃~80℃, If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Short circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	65g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

12V 24V 36V 48V 60V (9-60V) to 5V 3A 15W DC-DC Converters Step Down Buck Module
Power Supply Transformer Voltage Regulator for Automobile Waterproof High Quality
Part Number: ET36463376251A5



Product Name	9-60V to 5V 3A 15W DC Converter
Brand	EZONEDE
Model No.	600503
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	12V 24V 36V 48V 60V
Input Voltage Range	DC 9-60V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	3A
Output Power	15W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~65℃, (extreme limit -40℃~80℃, If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionShort circuit protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	54*35*21mm
Product Weight	75g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

48V (8-55V) to 5V 1A 5W DC to DC Converters Buck Module Step Down Power Supply
Transformer Voltage Regulator for Car Led Display Waterproof High Quality
Part Number: ET537922418407A1



Product Name	DC DC Converter 48V to 5V
Brand	EZONEDE
Model No.	FJ60D5A1
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 48V
Input Voltage Range	DC 8-55V
Output	
Output Voltage	DC 5V
Output Current	1A
Output Power	5W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Output Short-circuit protection
	Reverse Polarity Protection
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,Forklifts
Case Material	Aluminum, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

48V (8-55V) to 5V 3A 15W DC to DC Converters Buck Module Step Down Power Supply
Transformer Voltage Regulator for Car Led Display Waterproof High Quality
Part Number: ET537922418407A3



Product Name	DC DC Converter 48V to 5V
Brand	EZONEDE
Model No.	FJ60D5A3
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 48V
Input Voltage Range	DC 8-55V
Output	
Output Voltage	DC 5V
Output Current	3A
Output Power	15W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Output Short-circuit protection
	Reverse Polarity Protection
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,Forklifts
Case Material	Aluminum, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	66*60*22mm
Product Weight	109g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

12V 24V 36V 48V 60V (20V-72V) to 5V 10A 50W DC to DC Converters Step Down Buck
Module Power Supply Transformer Voltage Regulator for Automobile Car Truck Waterproof
Part Number: ET523164159245A10



Product Name	DC DC Converter 20V-72V to 5V 10A 50W
Brand	EZONEDE
Model No.	600510L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	12V 24V 36V 48V 60V
Input Voltage Range	DC 20V-72V
Output	
Output Voltage	DC 5V
Output Current	10A
Output Power	50W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~+85℃
Waterproof Rating	IP68
Protection	Over-current protection
	Instant absorption of high voltage protection
	Overheat protection
	Output Short-circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,Forklifts
Case Material	Aluminum, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

12V 24V 36V 48V 60V (20V-72V) to 5V 15A 75W DC-DC Converters Step Down Buck Module
Power Supply Transformer Voltage Regulator for Automobile Car Truck Waterproof High Quality
Part Number: ET523164159245A15



Product Name	DC DC Converter 20V-72V to 5V 15A 75W
Brand	EZONEDE
Model No.	600515L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 60V
Input Voltage Range	DC 20-72V
Output	
Output Voltage	DC 5V
Output Current	15A
Output Power	75W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~+85℃
Waterproof Rating	IP68
Protection	Over-current protection
	Instant absorption of high voltage protection
	Overheat protection
	Output Short-circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,Forklifts
Case Material	Aluminum, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

36V 48V (8V-60V) to 5V 10A 50W DC-DC Converters Step Down Buck Module Power Supply Transformer Voltage Regulator for Automobile Car Truck Waterproof High Quality Part Number: ET526000359113A15



Product Name	36V 48V to 5V 10A 50W DC Converter
Brand	EZONEDE
Model No.	36480510
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 36V 48V
Input Voltage Range	DC 20-60V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	10A
Output Power	50W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

36V 48V (8V-60V) to 5V 15A 75W DC-DC Converters Step Down Buck Module Power Supply Transformer Voltage Regulator for Automobile Car Truck Waterproof High Quality Part Number: ET526000359113A15



Product Name	36V 48V to 5V 15A 75W DC Converter
Brand	EZONEDE
Model No.	36480515
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 36V 48V
Input Voltage Range	DC 20-60V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	15A
Output Power	75W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

36V 48V (8V-60V) to 5V 20A 100W DC-DC Converters Step Down Buck Module Power Supply
Transformer Voltage Regulator for Automobile Car Truck Waterproof High Quality
Part Number: ET526000359113A15



Product Name	36V 48V to 5V 20A 100W DC Converter
Brand	EZONEDE
Model No.	36480520
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 36V48V
Input Voltage Range	DC 20-60V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	20A
Output Power	100W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

48V to 5V 10A 50W DC to DC Converter Buck Module Step Down Power Supply Transformer
Voltage Regulator for Car Led Display Waterproof High Quality
Part Number: ET561467018129



Product Name	DC/DC Converter 48V to 5V 10A 50W
Brand	EZONEDE
Model No.	480510
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 48V
Input Voltage Range	DC 8-60V
Output(cable length: 12cm)	
Output Voltage	DC 5V
Output Current	10A
Output Power	50W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~~+85℃(If ambient temperature exceeds 40℃, lower power use or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperature protection Over voltage protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Part 7:

The following is:

48V to 12V Buck Converter

DC to DC Converters 60V to 12V 3A 36W Step Down Buck Module DIY Power Supply
Transformer Voltage Regulator for Car Truck Vehicle Waterproof High Quality
Part Number: ET536930411646A3



Product Name	20-75V to 12V 3A DC Converter
Brand	FJ75D12S3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V/36V/48V/60V
Input Voltage Range	DC 20-75V
Output(cable length: 12cm)	
Output Voltage	DC12V
Output Current	3A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperature
	short circuit protectionwaterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	58*40*22mm
Product Weight	90g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 60V to 12V 5A 60W Step Down Buck Module DIY Power Supply
Transformer Voltage Regulator for Car Truck Vehicle Waterproof High Quality
Part Number: ET536930411646A5



Product Name	20-75V to 12V 5A DC Converter
Brand	FJ75D12S5
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V/36V/48V/60V
Input Voltage Range	DC 20-75V
Output(cable length: 12cm)	
Output Voltage	DC12V
Output Current	5A
Output Power	60W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperature
	short circuit protectionwaterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	58*40*22mm
Product Weight	100g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 60V to 12V 8A 96W Step Down Buck Module DIY Power Supply
Transformer Voltage Regulator for Car Truck Vehicle Waterproof High Quality
Part Number: ET536930411646A8



Product Name	20-75V to 12V 8A DC Converter
Brand	FJ75D12S8
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC24V/36V/48V/60V
Input Voltage Range	DC 20-75V
Output(cable length: 12cm)	
Output Voltage	DC12V
Output Current	8A
Output Power	96W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃(If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperature
	short circuit protectionwaterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	ABS Plastic
Product Size (L x W x H)	58*40*22mm
Product Weight	90g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 48V to 12V 1A 12W Step Down Buck Module DIY Power Supply
Transformer Voltage Regulator for Car Truck Vehicle Waterproof High Quality
Part Number: ET39651417599A1



Product Name	48V to 12V 1A DC Converter
Brand	EZONEDE
Model No.	FJ55D12A1
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V / 36V / 48V
Input Voltage Range	DC 15-80V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	1A
Output Power	12W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃(If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionOver voltage protection
	Short circuit protectionwaterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 24V 36V 48V 60V (15-80V) to 12V 2A 24W Step Down Buck Module DIY
Power Supply Transformer Voltage Regulator for Car Truck Vehicle Waterproof High Quality
Part Number: ET39651417599A2



Product Name	15-80V to 12V 2A DC Converter
Brand	EZONEDE
Model No.	FJ55D12A2
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V / 36V / 48V/ 60V
Input Voltage Range	DC 15-80V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	2A
Output Power	24W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃(If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionOver voltage protection
	Short circuit protectionwaterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 48V to 12V 3A 36W Step Down Buck Module DIY Power Supply
Transformer Voltage Regulator for Car Truck Vehicle Waterproof High Quality
Part Number: ET538007684458A3



Product Name	15-80V to 12V 3A DC Converter
Brand	EZONEDE
Model No.	FJ55D12A3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V / 36V / 48V/ 60V
Input Voltage Range	DC 15-80V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	3A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionOver voltage protection
	Short circuit protectionwaterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 48V to 12V 10A 120W Step Down Buck Module DIY Power Supply
Transformer Voltage Regulator for Car Audio Stereo Device Waterproof High Quality
Part Number: ET20829331635



Product Name	48V to 12V 10A 120W DC Converter
Brand	EZONDE
Model No.	481210
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 48V
Input Voltage Range	DC 20-60V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	10A
Output Power	120W
Conversion Efficiency	95%
Voltage regulation	$\pm 1\%$
Load regulation	$\pm 2\%$
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 48V to 12V 18A 216W Step Down Buck Module DIY Power Supply
Transformer Voltage Regulator for Car Audio Stereo LED Device Waterproof High Quality
Part Number: ET520413718537A18



Product Name	48V to 12V 18A 216W DC Converter
Brand	EZONEDE
Model No.	30601218L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 48V
Input Voltage Range	DC 30-60V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	18A
Output Power	216W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Product Name	48V to 12V 18A 240W DC Converter
Brand	EZONEDE
Model No.	30601220L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 48V
Input Voltage Range	DC 30-60V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	20A
Output Power	240W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 48V to 12V 25A 300W Step Down Buck Module DIY Power Supply
Transformer Voltage Regulator for Car Audio Stereo LED Device Waterproof High Quality
Part Number: ET520413718537A25



Product Name	48V to 12V 25A 300W DC Converter
Brand	EZONEDE
Model No.	30601225L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 48V
Input Voltage Range	DC 30-60V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	25A
Output Power	300W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionshort circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	280g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Part 8:

The following is:

48V to 24V Buck Converter

48V to 24V 5A 120W DC Converter 48VDC to 24VDC 5 AMP Step Down DC-DC Power
 Converter 48 Volt to 24 Volt DIY Buck Voltage
 Part Number:ET522166041682A5



Product Name	48V to 24V 5A 120W DC Converter
Brand	EZONEDE
Model No.	482405L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 48V
Input Voltage Range	DC 30-60V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	5A
Output Power	120W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperature protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

48V to 24V 10A 240W DC Converter 48VDC to 24VDC 10 AMP Step Down DC-DC Power
 Converter 48 Volt to 24 Volt DIY Buck Voltage
 Part Number:ET522166041682A10



Product Name	48V to 24V 10A 240W DC Converter
Brand	EZONEDE
Model No.	482410L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 48V
Input Voltage Range	DC 30-60V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	10A
Output Power	240W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperature protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

48V to 24V 15A 240W DC Converter 48VDC to 24VDC 15 AMP Step Down DC-DC Power
 Converter 48 Volt to 24 Volt DIY Buck Voltage
 Part Number: ET522166041682A15



Product Name	48V to 24V 15A 360W DC Converter
Brand	EZONEDE
Model No.	482415L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 48V
Input Voltage Range	DC 30-60V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	15A
Output Power	360W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperature protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

48V (30-60V) To 24V 20A 480W DC-DC Waterproof Boost Converter Automatic Step Down
Voltage Regulator Module Car Power Supply Voltage Transformer
Part Number: ET522166041682A20



Product Name	48V to 24V 20A DC Converter
Brand	EZONEDE
Model No.	482420L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 48V
Input Voltage Range	DC 30-60V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	20A
Output Power	480W
Conversion Efficiency	95%
Voltage regulation	±1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~80℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-temperature protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Part 9:

The following is:

48V to 36V Buck Converter

48V to 36V 5A 180W DC Converter 48VDC to 36VDC 5 AMP Automatic Step Down DC-DC
Power Converter 48 Volt to 36 Volt DIY Buck Voltage Waterproof High Quality
Part Number: ET42548743968A5



Product Name	DC DC Converter 48V to 36V
Brand	EZONEDE
Model No.	483605
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 48V
Input Voltage Range	DC 40-60V
Output	
Output Voltage	DC 36V
Output Current	5A
Output Power	180W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	40℃~85℃ (If ambient temperature exceeds 40℃, lower power use or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-14cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	Acceptable

48V to 36V 8A 288W DC Converter 48VDC to 36VDC 8 AMP Automatic Step Down DC-DC
Power Converter 48 Volt to 36 Volt DIY Buck Voltage Waterproof High Quality
Part Number: ET42548743968A8



Product Name	DC DC Converter 48V to 36V
Brand	EZONEDE
Model No.	483608
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 48V
Input Voltage Range	DC 40-60V
Output	
Output Voltage	DC 36V
Output Current	8A
Output Power	288W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-14cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Customized Service	Acceptable

48V to 36V 10A 360W DC Converter 48VDC to 36VDC 10 AMP Automatic Step Down DC-DC
Power Converter 48 Volt to 36 Volt DIY Buck Voltage Waterproof High Quality
Part Number: ET42548743968A10



Product Name	DC DC Converter 48V to 36V
Brand	EZONEDE
Model No.	483610
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 48V
Input Voltage Range	DC 40-60V
Output	
Output Voltage	DC 36V
Output Current	10A
Output Power	360W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-14cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Customized Service	Acceptable

Part 10:

The following is:

60V to 5V Buck Converter

60V (20-75V) to 5V 3A 15W DC to DC Converter Buck Module Step Down Power Supply
Transformer Voltage Regulator for Car Led Display Waterproof High Quality
Part Number: ET537687209865A3



Product Name	DC DC Converter 20-75V to 5V
Brand	EZONEDE
Model No.	FJ75D5S3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 60V
Input Voltage Range	DC 20-75V
Output	
Output Voltage	DC5V
Output Current	3A
Output Power	15W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+80℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short-circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	58*40*22mm
Product Weight	90g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

60V (20-75V) to 5V 5A 25W DC to DC Converter Buck Module Step Down Power Supply
Transformer Voltage Regulator for Car Led Display Waterproof High Quality
Part Number: ET537687209865A5



Product Name	DC DC Converter 20-75V to 5V
Brand	EZONED E
Model No.	FJ75D5S5
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 60V
Input Voltage Range	DC 20-75V
Output	
Output Voltage	DC5V
Output Current	5A
Output Power	25W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short-circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	58*40*22mm
Product Weight	90g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

60V (20-75V) to 5V 8A 40W DC to DC Converter Buck Module Step Down Power Supply
Transformer Voltage Regulator for Car Led Display Waterproof High Quality
Part Number: ET537687209865A8



Product Name	DC DC Converter 20-75V to 5V
Brand	EZONEDE
Model No.	FJ75D5S8
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 48V
Input Voltage Range	DC 20-75V
Output	
Output Voltage	DC5V
Output Current	8A
Output Power	40W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~80℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short-circuit protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power SystemElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	58*40*22mm
Product Weight	90g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

Part 11:

The following is:

60V to 12V Buck Converter

DC/DC Converter 24V 36V 48V 60V 72V (15-80V) to 12V 3A 36W Step Down Buck Module
Power Supply Transformer Voltage Regulator for Car Truck Vehicle DIY Waterproof High Quality
Part Number: ET537003286409A3



Product Name	DC-DC Converter 15-80V to 12V
Brand	EZONEDE
Model No.	FJ80D12S3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 60V
Input Voltage Range	DC 15-80V
Output	
Output Voltage	DC 12V
Output Current	3A max
Output Power	36W max
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 100mV
No-load current	<100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Short-circuit protection
	Input Reverse Polarity Protection
Application	Trucks,Golf Carts,Forklifts,Buses,Loaders,Logging VehiclesWind Power System,Solar Power System,Electromotor,Telecommunications,Boat & Yacht and so on...
Case Material	Plastic, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	46*32*18mm
Product Weight	70g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

DC to DC Converters 24V 36V 48V 60V (15-80V) to 12V 1A 12W Step Down Buck Module DIY
Power Supply Transformer Voltage Regulator for Car Truck Vehicle Waterproof High Quality
Part Number: ET560643768624A1



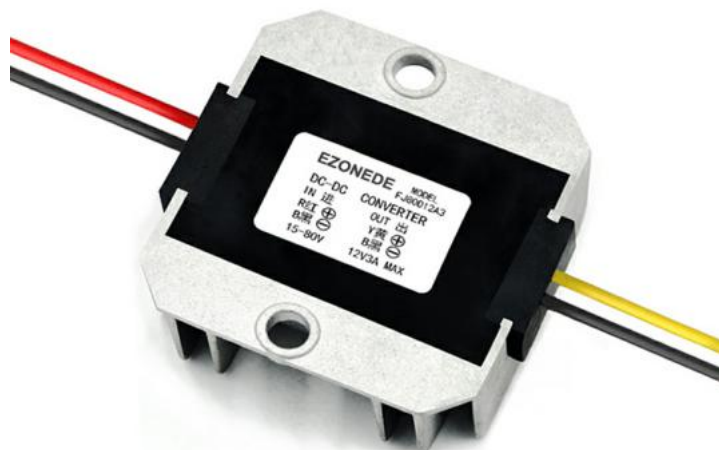
Product Name	15-80V to 12V 1A DC Converter
Brand	EZONEDE
Model No.	FJ80D12A1
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V 36V 48V 60V
Input Voltage Range	DC 15-80V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	1A
Output Power	12W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40°C~+85°C(If ambient temperature exceeds 40°C, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	short circuit protection
	Input reverse polarity protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 24V 36V 48V 60V (15-80V) to 12V 2A 24W Step Down Buck Module DIY
Power Supply Transformer Voltage Regulator for Car Truck Vehicle Waterproof High Quality
Part Number: ET560643768624A2



Product Name	15-80V to 12V 2A DC Converter
Brand	EZONEDE
Model No.	FJ80D12A2
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V 36V 48V 60V
Input Voltage Range	DC 15-80V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	2A
Output Power	24W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40°C~+85°C(If ambient temperature exceeds 40°C, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	short circuit protection
	Input reverse polarity protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 24V 36V 48V 60V (15-80V) to 12V 3A 36W Step Down Buck Module DIY
Power Supply Transformer Voltage Regulator for Car Truck Vehicle Waterproof High Quality
Part Number: ET560643768624A3



Product Name	15-80V to 12V 2A DC Converter
Brand	EZONEDE
Model No.	FJ80D12A3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V 36V 48V 60V
Input Voltage Range	DC 15-80V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	3A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40°C~+85°C(If ambient temperature exceeds 40°C, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	short circuit protection
	Input reverse polarity protection
	waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	66*60*22mm
Product Weight	102g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC Converters 60V (20V-72V) to 12V 3A 36W Step Down Buck Module Power Supply
Transformer Voltage Regulator for Car Truck Vehicle DIY Waterproof High Quality
Part Number: ET42148921314A3



Product Name	DC Converter 60V to 12V
Brand	EZONEDE
Model No.	601203
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 60V
Input Voltage Range	DC 20-72V
Output	
Output Voltage	DC12V
Output Current	3A, auto-adaption
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃(If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Output Short-circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-15cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
Customized OEM Service	Acceptable

DC to DC Converters 60V (20V-72V) to 12V 5A 60W Step Down Buck Module Power Supply
Transformer Voltage Regulator for Car Truck Vehicle DIY Waterproof High Quality
Part Number: ET42148921314A5



Product Name	DC Converter 60V to 12V
Brand	EZONEDE
Model No.	601205
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 60V
Input Voltage Range	DC 20-72V
Output	
Output Voltage	DC12V
Output Current	5A, auto-adaption
Output Power	60W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Output Short-circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-15cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
Customized OEM Service	Acceptable

DC to DC Converters 60V (20V-72V) to 12V 8A 96W Step Down Buck Module Power Supply

Transformer Voltage Regulator for Car Truck Vehicle DIY Waterproof High Quality

Part Number: ET42148921314A8



Product Name	DC Converter 60V to 12V
Brand	EZONEDE
Model No.	601208
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 60V
Input Voltage Range	DC 20-72V
Output	
Output Voltage	DC12V
Output Current	8A, auto-adaption
Output Power	96W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Output Short-circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-15cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
Customized OEM Service	Acceptable

DC to DC Converters 60V (20V-72V) to 12V 10A 120W Step Down Buck Module Power Supply
Transformer Voltage Regulator for Car Truck Vehicle DIY Waterproof High Quality
Part Number: ET42148921314A10



Product Name	DC Converter 60V to 12V
Brand	EZONEDE
Model No.	601210
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 60V
Input Voltage Range	DC 20-72V
Output	
Output Voltage	DC12V
Output Current	10A, auto-adaption
Output Power	120W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Output Short-circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-15cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
Customized OEM Service	Acceptable

DC to DC Converters 660V (20V-72V) to 12V 15A 180W Step Down Buck Module Power Supply
Transformer Voltage Regulator for Car Truck Vehicle DIY Waterproof High Quality
Part Number: ET42148921314A15



Product Name	DC Converter 60V to 12V
Brand	EZONEDE
Model No.	601215
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 60V
Input Voltage Range	DC 20-72V
Output	
Output Voltage	DC12V
Output Current	15A, auto-adaption
Output Power	180W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40~85℃
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Output Short-circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-15cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
Customized OEM Service	Acceptable

Part 11:

The following is:

60V to 24V Buck Converter

DC-DC 60V (36-75V) to 24V 1A 24W Synchronous Buck Converter Waterproof Voltage
Regulator Volt Step-down Power Supply Transformer Module for Electric mobile Vehicle
Part Number: ET563746978431A1



Specification:

1. Wide input Voltage range: dc36-75v (adjustable); output Voltage: dc24v(non-adjustable)
2. Output current: 1a (1ai is long term operating current, NOT maximum, maximum current is 3A)
3. Ultra small size (58x40x22mm) and light weight(90g), easy to carry out and install
4. Without reverse connection protection, please wire follow the wiring Instruction, or the module will be burnt
5. Wiring : red wire: input+; black wire: public-; Yellow wire: output+

Features:

Synchronous Buck Power

Input voltage: DC 36-75V

Output voltage: DC 24V

Output Current: 1A 24W long term work

Protection: Output short circuit, overload

Dimensions: 58x40x22mm

Weight: 90g

Glue craft, waterproof, moisture-proof, dust-proof, shock-proof

High conversion rate, 90%(full load), up to 95% lower than the heat

Working temperature: -25℃~+65℃ limit -40℃~+80℃

Conversion rate = Input power / input power

Note:

there is no reverse polarity protection, be sure to follow the wiring instructions, otherwise it will be burnt. The red wire is the input positive, the black wire is the public negative, and the yellow wire is the output positive.

DC-DC 60V (36-75V)to 24V 2A 48W Synchronous Buck Converter Waterproof Voltage
Regulator Volt Step-down Power Supply Transformer Module for Electric mobile Vehicle
Part Number: ET563746978431A2



Specification:

1. Wide input Voltage range: DC36-75V (adjustable); output Voltage: DC24V (non-adjustable)
2. Output current: 2A (2A is long term operating current, NOT maximum, maximum current is 3A)
3. Ultra small size(58x40x22mm) and light weight(90g), easy to carry out and install
4. Without reverse connection protection, please wire follow the wiring Instruction, or the module will be burnt
5. Wiring : red wire: input+; black wire: public-; Yellow wire: output+

Features:

Synchronous Buck Power

Input voltage: DC 36-75V

Output voltage: DC 24V

Output Current: 2A 48W long term work

Protection: Output short circuit, overload

Dimensions: 58x40x22mm

Glue craft, waterproof, moisture-proof, dust-proof, shock-proof

High conversion rate, 90%(full load), up to 95% lower than the heat

Working temperature: -25℃~+65℃ limit -40℃~+80℃

Conversion rate = Input power / input power

Note:

there is no reverse polarity protection, be sure to follow the wiring instructions, otherwise it will be burnt. The red wire is the input positive, the black wire is the public negative, and the yellow wire is the output positive.

DC-DC 60V (36-75V) to 24V 3A 72W Synchronous Buck Converter Waterproof Voltage
Regulator Volt Step-down Power Supply Transformer Module for Electric mobile Vehicle
Part Number: ET563746978431A3



Specification:

1. Wide input Voltage range: DC36-75V (adjustable); output Voltage: DC24V (non-adjustable)
2. Output current: 3A(3A is long term operating current, NOT maximum, maximum current is 5A)
3. Ultra small size (58x40x22mm) and light weight(90g), easy to carry out and install
4. Without reverse connection protection, please wire follow the wiring Instruction, or the module will be burnt
5. Wiring : red wire: input+; black wire: public-; Yellow wire: output+

Features:

Synchronous Buck Power

Input voltage: DC 36-75V

Output voltage: DC 24V

Output Current: 3A 72W long term work

Protection: Output short circuit, overload

Dimensions: 58x40x22mm

Glue craft, waterproof, moisture-proof, dust-proof, shock-proof

High conversion rate, 90%(full load), up to 95% lower than the heat

Working temperature: -25℃~+65℃ limit -40℃~+80℃

Conversion rate = Input power / input power

Note:

there is no reverse polarity protection, be sure to follow the wiring instructions, otherwise it will be burnt. The red wire is the input positive, the black wire is the public negative, and the yellow wire is the output positive.

DC to DC 60V (30-75V) to 24V 3A 72W Synchronous Buck Converter Waterproof Voltage
Regulator Volt Step-down Power Supply Transformer Module for Electric mobile Vehicle
Part Number: ET42118975000A3



Product Name	30-75V to 24V 3A 72W DC Converter
Brand	EZONEDE
Model No.	602403
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 60V
Input Voltage Range	DC 30-75V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	3A
Output Power	72W
Conversion Efficiency	95%
Voltage regulation	$\pm 1\%$
Load regulation	$\pm 2\%$
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC 60V (30-75V) to 24V 5A 120W Synchronous Buck Converter Waterproof Voltage
Regulator Volt Step-down Power Supply Transformer Module for Electric mobile Vehicle
Part Number: ET42118975000A5



Product Name	30-75V to 24V 5A 120W DC Converter
Brand	EZONEDE
Model No.	602405
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 60V
Input Voltage Range	DC 30-75V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	5A
Output Power	120W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC 60V (30-75V) to 24V 10A 240W Synchronous Buck Converter Waterproof Voltage
Regulator Volt Step-down Power Supply Transformer Module for Electric mobile Vehicle
Part Number: ET42118975000A10



Product Name	30~75V to 24V 10A 240W DC Converter
Brand	EZONEDE
Model No.	602410
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 60V
Input Voltage Range	DC 30-75V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	10A
Output Power	240W
Conversion Efficiency	95%
Voltage regulation	$\pm 1\%$
Load regulation	$\pm 2\%$
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

DC to DC 60V (30-75V) to 24V 15A 360W Waterproof Boost Converter Automatic Step Down
Voltage Regulator Module Car Power Supply Voltage Transformer
Part Number: ET42118975000A10



Product Name	30-75V to 24V 15A 360W DC Converter
Brand	EZONEDE
Model No.	602415
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 60V
Input Voltage Range	DC 30-75V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	15A
Output Power	360W
Conversion Efficiency	95%
Voltage regulation	±1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection short circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	74*74*32mm
Product Weight	290g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Part 12:

The following is:

72V to 12V Buck Converter

DC-DC Converter 72V (20V-80V) to 12V 3A 15W Step Down Buck Module Power Supply
Transformer Voltage Regulator for Car Truck Vehicle DIY Waterproof High Quality
Part Number: ET537978912782A3



Product Name	DC DC Converter 72V to 12V 3A
Brand	EZONEDE
Model No.	801203
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 36V/ 48V / 60V / 72V
Input Voltage Range	DC 20-80V
Output	
Output Voltage	DC12V
Output Current	3A, auto-adaption
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Output Short-circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-15cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
Customized OEM Service	Acceptable

DC-DC Converter 72V (20V-80V) to 12V 5A 60W Step Down Buck Module Power Supply
Transformer Voltage Regulator for Car Truck Vehicle DIY Waterproof High Quality
Part Number: ET537978912782A5



Product Name	DC DC Converter 72V to 12V 5A
Brand	EZONEDE
Model No.	801205
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 36V/ 48V / 60V/ 72V
Input Voltage Range	DC 20-80V
Output	
Output Voltage	DC12V
Output Current	5A, auto-adaption
Output Power	60W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Output Short-circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-15cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
Customized OEM Service	Acceptable

DC-DC Converter 72V (20V-80V) to 12V 8A 96W Step Down Buck Module Power Supply
Transformer Voltage Regulator for Car Truck Vehicle DIY Waterproof High Quality
Part Number: ET537978912782A8



Product Name	DC DC Converter 72V to 12V 8A
Brand	EZONEDE
Model No.	801208
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input	
Input Voltage	DC 36V/ 48V / 60V/72V
Input Voltage Range	DC 20-80V
Output	
Output Voltage	DC12V
Output Current	8A, auto-adaption
Output Power	96W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	< 100mA
Working Temperature	-40℃~85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheat protection
	Output Short-circuit protection
	Instant absorption of high voltage protection
Input/Output	please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsWind Power System, Solar Panel Power System, Photo voltaic energyElectrical appliances, water pumps, industrial equipment, telecommunications and so on.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	74*74*32mm
Installation Cable Length	13-15cm
Product Weight	290g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
Customized OEM Service	Acceptable

Part 13:

The following is:

Buck Adjustable DC-DC Converter

Waterproof DC Buck Converter Voltage Regulator 8-22V to 1-15V 5V 12V 3A Adjustable Output
Power Supply Transformer
Part Number: ET15844050146



Product Name	8-22V to 1-15V 3A 45W DC Converter
Brand	EZONEDE
Model No.	ADJ-2203
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 8-22V
Output(cable length: 12cm)	
Output Voltage	DC 1-15V (Adjustable)
Output Current	3A
Output Power	45W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40~80℃(If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionShort circuit protection
	Instant absorption of high voltage protection waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	35*24.5*20mm
Product Weight	36g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

Adjustable DC DC Buck Converter DC 8-40V to DC 3.3-24V Voltage Regulator 12V/24V to 5V 3A
Power Supply Module Waterproof 24V to 5V 12V 13.8V 19V Buck Transformer for Car Charger
Part Number: ET40623972439



Product Name	8-40V to 3.3-24V 3A DC Converter
Brand	EZONEDE
Model Number	4003-ADJ
Part Number	ET40723972439
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC8-40V
Input Voltage Range	DC3.3-24V
Output(cable length: 12cm)	
Output Voltage	DC 3.3-24V Adjustable
Output Current	3A
Output Power	15W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃ ~ +65℃(extreme -40℃ ~ +80℃) (If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Full load temperature rise	50° c
Waterproof Rating	IP68
Protection	Over-current, Over-temperature, Short-circuit protection, Auto-recovery when device is back to normal operating,waterproof design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	45*25*21mm
Product Weight	50g
Warranty	12 months
Cooling Way	Free air convection
OEM Service	Acceptable

8-35V to 1.5-24V 5A adjustable DC DC Buck Converter 24V to 12V 13.8V 19.5V 5V DIY Step
Down Power Supply Module waterproof
Part Number: ET21191984401



Product Name	DC-DC Converter 8-35V to 1.5-24V
Model	3005ADJ
Input rated voltage	DC 12V 24V
Input voltage range	DC 8-35V
Efficiency	93% (half load), 91% (full load)
Output voltage	1.5-24V adjustable(minimum pressure difference:3V)
Output current	5A MAX
Output rated power	25W Max
Output peak power	30W Max
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃~+60℃(extreme -40℃ ~ +80℃, if ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated buck module(buck)
Rectification	synchronous rectification
Waterproof rating	IP68
Full load temperature rise:	40° C
Protection	Over-current, Over-temperature, Auto-recovery when device is back to normal operating, waterproof IP68 design, anti-shock protection
Input Reverse Polarity Protection	NONE((Please Series diode at the input + in need)
Short-circuit protection	NONE(please series fuse at the input + in need)
NW	68g
Product size	54*35*21mm
Other Option DC-DC adjustable converter recommend	1) 8-22v to 1.5-15v 3A max
	2)8-40v to 3.3-24v 3A max
	(please contact with our sales manager if need)
Attention:	
Please install according to the the label strictly,positive pole and nagative pole can't be reversed, or the module and device might be damaged	
To assure this converter has the sufficient voltage and power please make sure the voltage and power input is enough.	

Waterproof 5.5-32V to 1-27V 4A 100W DC-DC Converter 12V to 5V, 24V to 5V, 24V to 12V
Adjustable Power Supply Converter Module
Part Number: ET578165940398A4



Product Name	5.5-32V to 1-27V 5A135W DC Converter
Brand	EZONEDE
Model No.	3004ADJ
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC12V 24V
Input Voltage Range	DC5.5-32V
Output(cable length: 12cm)	
Output Voltage	DC 1-27V Adjustable
Output Current	4A
Output Power	108W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over heat protection
	Input Reverse Polarity Protection: NONE(Please Series diode at the input port if need.)waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	106g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

5.5-32V to 1-27V 5A 135W DC-DC Converter 12V to 5V, 24V to 5V, 24V to 12V Adjustable
Power Supply Converter Module
Part Number: ET578165940398A5



Product Name	5.5-32V to 1-27V 5A135W DC Converter
Brand	EZONEDE
Model No.	3004ADJ
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC12V 24V
Input Voltage Range	DC5.5-32V
Output(cable length: 12cm)	
Output Voltage	DC 1-27V Adjustable
Output Current	4A
Output Power	108W
Conversion Efficiency	>93%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃ ~ +65℃ (extreme -40~80℃, If ambient temperature exceeds 40° c, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over heat protection
	Input Reverse Polarity Protection: NONE(Please Series diode at the input port if need.)waterproof IP68 design, anti-shock protection
Application	mobile phone, car camera, Electric motors, Trucks, Golf Carts ,Forklifts,Solar Panel Power System,water pumps, industrial equipment and so on.
Case Material	Die-casting aluminum alloy
Product Size (L x W x H)	66*60*22mm
Product Weight	106g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable