



Shenzhen Eshinede Technology Co., Ltd.

Contact: Mifair Lai Email: sales@ezonede.com
<http://www.ezonede.com> Tel: 0086-18153318791 (Wechat ID)

=====

PRODUCT SERIES 3: BOOST DC-DC CONVERTER



Part 1:

The following is:

5-11V to 12V Boost Converter

5V 6V 7V 8V 9V 10V 11V Step Up To 12V 2A 24W DC to DC Converter Boost Power Supply
Module 5-11VDC to 12VDC Car Power Inverter
Part Number: ET41897804144A2



Product Name	5-11V to 12V 2A 24W DC Converter
Brand	EZONEDE
Model No.	05111202L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 5V 6V 7V 8V 9V 10V 11V
Input Voltage Range	DC 5-11V
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℃~+60℃ (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	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

5V 6V 7V 8V 9V 10V 11V Step Up To 12V 4A 48W DC to DC Converter Boost Power Supply
Module 5-11VDC to 12VDC Car Power Inverter
Part Number: ET41897804144A4



Product Name	5-11V to 12V 4A 48W DC Converter
Brand	EZONEDE
Model No.	0511204L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 5V 6V 7V 8V 9V 10V 11V
Input Voltage Range	DC 5-11V
Output(cable length: 12cm)	
Output Voltage	DC 12V
Output Current	4A
Output Power	48W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-40℃~+60℃ (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	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

6V 9V Step Up To 12V 1A 12W DC to DC Converter Boost Power Supply Module 5-11VDC to
12VDC Car Power Inverter
Part Number: ET528253941558A1



Product Name	5-11V to 12V DC Converter
Brand	EZONEDE
Model No.	FS11D12A1
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 5V 6V 7V 8V 9V 10V 11V
Input Voltage Range	DC5-11V
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	-20℃~+60℃ (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 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

6V 9V Step Up To 12V 2A 24W DC to DC Converter Boost Power Supply Module 5-11VDC to
12VDC Car Power Inverter
Part Number: ET528253941558A2



Product Name	5-11V to 12V 2A DC Converter
Brand	EZONEDE
Model No.	FS11D12A2
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 5V 6V 7V 8V 9V 10V 11V
Input Voltage Range	DC5-11V
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	-20℃~+60℃ (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 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

6V 9V Step Up To 12V 3A 36W DC to DC Converter Boost Power Supply Module 5-11VDC to
12VDC Car Power Inverter
Part Number: ET528253941558A3



Product Name	5-11V to 12V DC Converter
Brand	EZONEDE
Model No.	FS11D12A3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 5V 6V 7V 8V 9V 10V 11V
Input Voltage Range	DC5-11V
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	-20℃~+60℃ (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 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

5V 6V 7V 8V 9V 10V 11V Step Up To 12V 2A 24W DC to DC Converter Boost Power Supply
Module 5V-11VDC Stepup to 12VDC Car Power Inverter
Part Number: ET542620735581A2



Product Name	5-11V to 12V 2A DC Converter
Brand	EZONED E
Model No.	FS11D12A2
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	5V 6V 7V 8V 9V 10V 11V
Input Voltage Range	DC 5-11V
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 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	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	58g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

5V 6V 7V 8V 9V 10V 11V Step Up To 12V 3A 36W DC to DC Converter Boost Power Supply
Module 5V-11VDC Stepup to 12VDC Car Power Inverter
Part Number: ET542620735581A1



Product Name	5-11V to 12V DC to DC Converter
Brand	EZONEDE
Model No.	FS11D12A1
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 5V 6V 7V 8V 9V 10V 11V
Input Voltage Range	DC 5-11V
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 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	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	58g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

5V 6V 7V 8V 9V 10V 11V Step Up To 12V 3A 36W DC to DC Converter Boost Power Supply
Module 5V-11VDC Stepup to 12VDC Car Power Inverter
Part Number: ET542620735581A3



Product Name	5-11V to 12V DC Converter
Brand	EZONEDE
Model No.	FS11D12A3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 5V 6V 7V 8V 9V 10V 11V
Input Voltage Range	DC 5-11V
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 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	ABS Plastic
Product Size (L x W x H)	46*32*18mm
Product Weight	58g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

5V 6V 7V 8V 9V 10V 11V Step Up To 12V 10A 120W DC to DC Converter Boost Power Supply
Module 5-11VDC to 12VDC Car Power Inverter
Part Number: ET41883393167



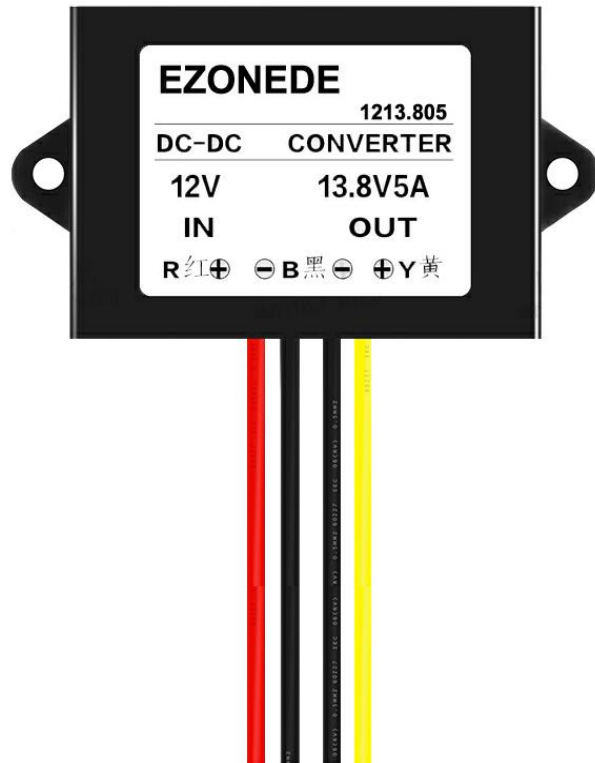
Product Name	5-11V to 12V 10A120W DC Converter
Brand	EZONEDE
Model No.	0511210L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 5V 6V 7V 8V 9V 10V 11V
Input Voltage Range	DC 5-11V
Output(cable length: 12cm)	
Output Voltage	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	-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
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 2:

The following is:

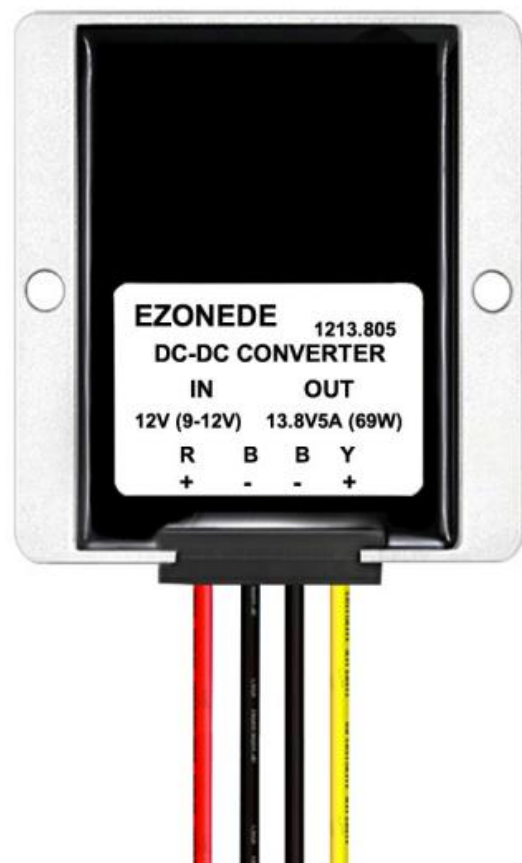
12V to 13.8V Boost Converter

9V 10V 11V 12V Step up To 13.8V 5A 69W DC to DC Converter Boost Power Supply Module
 9V-12VDC to 13.8VDC Car Power Inverter for LED Driver
 Part Number: ET39398988427



Product Name	9-12V to 13.8V 5A 69W DC-DC Converter
Brand	EZONED E
Model No.	1213.805
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 15cm)	
Input Voltage	DC 9V 10V 11V 12V
Input Voltage Range	DC 9-12V
Output(cable length: 15cm)	
Output Voltage	DC 13.8V
Output Current	5A
Output Power	69W
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)	58*40*22mm
Product Weight	97g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

9V 10V 11V 12V Step Up To 13.8V 5A 69W DC to DC Converter Boost Power Supply Module
 9V-12VDC to 13.8VDC Car Power Inverter for LED Driver
 Part Number: ET3894422224A5



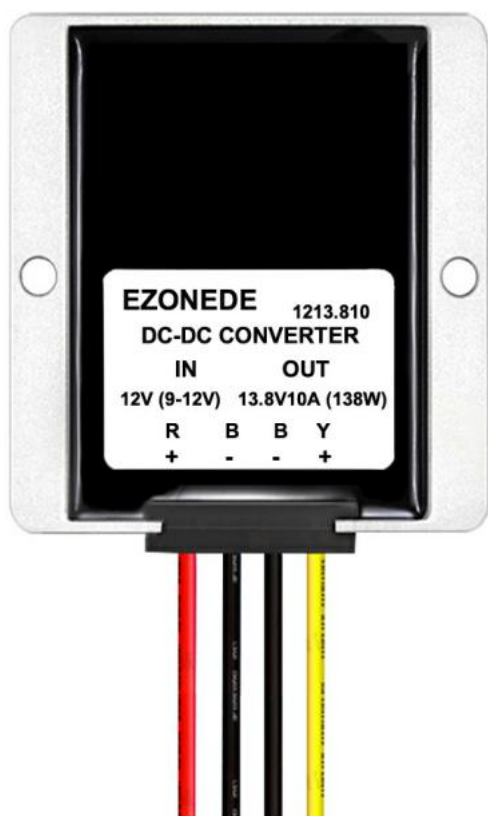
Product Name	9-12V to 13.8V 5A DC-DC Converter
Brand	EZONEDE
Model No.	1213.805
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-12V
Output(cable length: 12cm)	
Output Voltage	DC 13.8V
Output Current	5A
Output Power	69W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

9V 10V 11V 12V Step Up To 13.8V 8A 110W DC to DC Converter Boost Power Supply Module
9V-12VDC to 13.8VDC Car Power Inverter for LED Driver
Part Number: ET3894422224A8



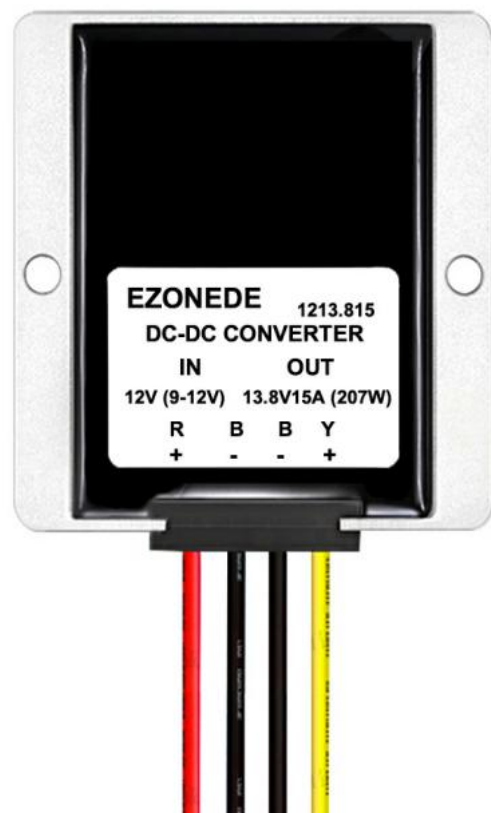
Product Name	9-12V to 13.8V 8A DC-DC Converter
Brand	EZONED
Model No.	1213.808
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-12V
Output(cable length: 12cm)	
Output Voltage	DC 13.8V
Output Current	8A
Output Power	110W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

9V 10V 11V 12V Step Up To 13.8V 10A 138W DC to DC Converter Boost Power Supply Module
 9V-12VDC to 13.8VDC Car Power Inverter for LED Driver
 Part Number: ET3894422224A10



Product Name	12V to 13.8V 10A DC Converter
Brand	EZONEDE
Model No.	1213.810
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-12V
Output(cable length: 12cm)	
Output Voltage	DC 13.8V
Output Current	10A
Output Power	138W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

9V 10V 11V 12V Step Up To 13.8V 15A 207W DC to DC Converter Boost Power Supply Module
 9V-12VDC to 13.8VDC Car Power Inverter for LED Driver
 Part Number: ET3894422224A15



Product Name	12V to 13.8V 15A DC Converter
Brand	EZONEDE
Model No.	1213.815
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-12V
Output(cable length: 12cm)	
Output Voltage	DC 13.8V
Output Current	15A
Output Power	207W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

9V 10V 11V 12V Step Up To 13.8V 18A 248W DC to DC Converter Boost Power Supply Module
 9V-12VDC to 13.8VDC Car Power Inverter for LED Driver
 Part Number: ET38944222224A18



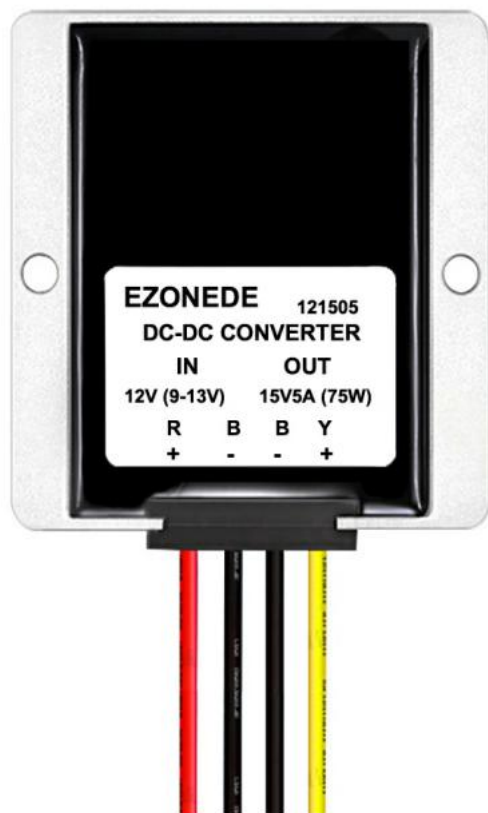
Product Name	12V to 13.8V 18A DC Converter
Brand	EZONEDE
Model No.	1213.818
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-12V
Output(cable length: 12cm)	
Output Voltage	DC 13.8V
Output Current	18A
Output Power	248W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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:

12V to 15V Boost Converter

9V 10V 11V 12V 13V Step up To 15V 5A 75W DC to DC Converter Boost Power Supply Module
 9V-13VDC to 15VDC Car Power Inverter for LED Driver
 Part Number: ET38649853393A5



Product Name	9-13V to 15V 5A 75W DC-DC Converter
Brand	EZONED
Model No.	121505
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 9V 10V 11V 12V 13V
Input Voltage Range	DC 9-13V
Output(cable length: 12cm)	
Output Voltage	DC 15V
Output Current	5A
Output Power	75W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

9V 10V 11V 12V 13V Stepup To 15V 8A 120W DC to DC Converter Boost Power Supply Module
 9V-13VDC to 15VDC Car Power Inverter for LED Driver
 Part Number: ET38649853393A8



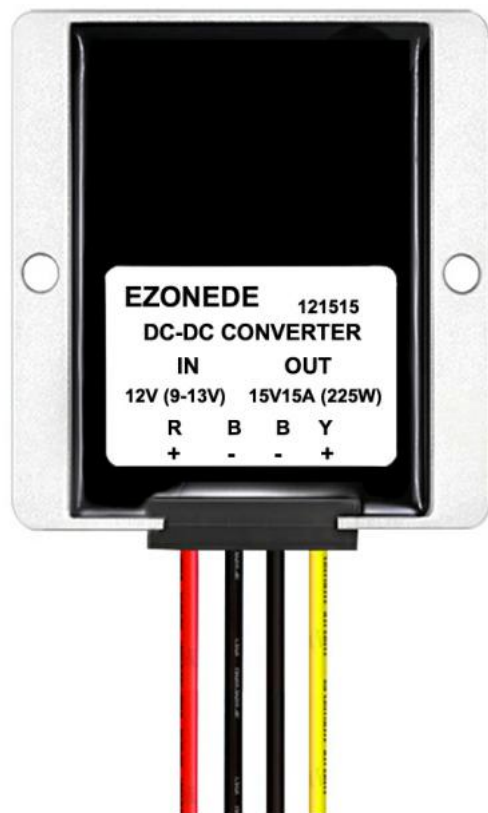
Product Name	9-13V to 15V 8A 120W DC-DC Converter
Brand	EZONEDE
Model No.	121508
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 9V 10V 11V 12V 13V
Input Voltage Range	DC 9-13V
Output(cable length: 12cm)	
Output Voltage	DC 15V
Output Current	8A
Output Power	120W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

9V 10V 11V 12V 13V Stepup To 15V 10A 150W DC to DC Converter Boost Power Supply
Module 9V-13VDC to 15VDC Car Power Inverter for LED Driver
Part Number: ET38649853393A10



Product Name	9-13V to 15V 10A 150W DC Converter
Brand	EZONEDE
Model No.	121510
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 9V 10V 11V 12V 13V
Input Voltage Range	DC 9-13V
Output(cable length: 12cm)	
Output Voltage	DC 15V
Output Current	10A
Output Power	150W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

9V 10V 11V 12V 13V Step up To 15V 15A 225W DC to DC Converter Boost Power Supply
Module 9V-13VDC to 15VDC Car Power Inverter for LED Driver
Part Number: ET38649853393A15



Product Name	9-13V to 15V 15A 225W DC Converter
Brand	EZONED
Model No.	121515
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 9V 10V 11V 12V 13V
Input Voltage Range	DC 9-13V
Output(cable length: 12cm)	
Output Voltage	DC 15V
Output Current	15A
Output Power	225W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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 4:

The following is:

12V to 19V Boost Converter

12V (10V-17V) to 19V 1A 19W DC DC Boost Converter Step up Voltage for Car Laptop
Notebook Computer Power Supply Charging Adapter
Part Number: ET41739036799A1



Product Name	10-17V to 19V 1A DC Converter
Brand	EZONED
Model No.	1901S
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-17V
Output(cable length: 12cm)	
Output Voltage	DC 19V
Output Current	1A
Output Power	19W
Conversion Efficiency	95%
Voltage regulation	$\pm 1\%$
Load regulation	$\pm 2\%$
Ripple (Full load test)	< 150mV
No-load current	<100mA
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
	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	90g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

12V (10V-17V) to 19V 2A 38W DC DC Boost Converter Step up Voltage for Car Laptop
Notebook Computer Power Supply Charging Adapter
Part Number: ET41739036799A2



Product Name	10-17V to 19V 2A DC-DC Converter
Brand	EZONEDE
Model No.	1902S
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-17V
Output(cable length: 12cm)	
Output Voltage	DC 19V
Output Current	2A
Output Power	38W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
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
	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	90g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

12V (10V-17V) to 19V 3A 57W DC DC Boost Converter Step up Voltage for Car Laptop
Notebook Computer Power Supply Charging Adapter
Part Number: ET41739036799A3



Product Name	10-17V to 19V 3A DC-DC Converter
Brand	EZONED
Model No.	1903S
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-17V
Output(cable length: 12cm)	
Output Voltage	DC 19V
Output Current	3A
Output Power	57W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
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
	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	90g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

12V (10V-17V) to 19V 3A DC to DC Converter Step Up Boost Car Laptop Supply Module
 Adapter Charger for 19V 2.1A 40W 2.37A 45W Notebook
 Part Number: ET38076257489A3



Product Name	10-17V to 19V 3A 57W DC to DC Converter
Brand	EZONEDE
Model No.	1903B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 10-17V
Input Voltage Range	DC 10-17V
Output(cable length: 12cm)	
Output Voltage	DC 19V
Output Current	3A
Output Power	57W
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
	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

12V DC to 19V DC 5A Step Up Boost Converter Car Power Supply Notebook Adapter Charger
for 19V 4.74A 90W 3.42A 65W Laptop
Part Number: ET38076257489A5



Product Name	10-17V to 19V 5A 95W DC Converter
Brand	EZONEDE
Model No.	1905B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-17V
Output(cable length: 12cm)	
Output Voltage	DC 19V
Output Current	5A
Output Power	95W
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
	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 12V 19V 8A Boost Converter Step-up Power Supply Car Laptop power supply for 19V
4.74A 90W 3.42A 65W Computer
Part Number: ET38076257489A8



Product Name	10-17V to 19V 8A152W DC Converter
Brand	EZONEDE
Model No.	1908B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 10-17V
Input Voltage Range	DC 10-17V
Output(cable length: 12cm)	
Output Voltage	DC 19V
Output Current	8A
Output Power	152W
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
	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

12V (10V-17V) to 19V 10A 190W Step Up DC to DC Converter Booster Car Supply Module
 Adapter Charger for 19V 6.32A 120W 7.1A 135W Automotive Laptop
 Part Number: ET38076257489A10



Product Name	10-17V to 19V 10A190W DC Converter
Brand	EZONEDE
Model No.	1910B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-17V
Output(cable length: 12cm)	
Output Voltage	DC 19V
Output Current	10A
Output Power	190W
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
	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

12V (10V-17V) to 19V 15A 285W Step Up DC to DC Converter Booster Car Supply Module
 Adapter Charger for 19V 7.9A 150W 9.5A 180W Car Laptop Power Supply
 Part Number: ET38076257489A15



Product Name	10-17V to 19V 15A 285W DC Converter
Brand	EZONED
Model No.	1915B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-17V
Output(cable length: 12cm)	
Output Voltage	DC 19V
Output Current	15A
Output Power	285W
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
	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 5:

The following is:

12V to 24V Boost Converter

12V to 24V 1A 24W DC to DC Boost Converter 10-20VDC Step up to 24VDC Voltage Regulator for Car
Part Number: ET41726049660A1



Product Name	12V to 24V 1A DC-DC Converter
Brand	EZONED E
Model No.	FS12D24S1
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-20V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	1A
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 voltage protection
	Overheating 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

12V to 24V 2A 48W DC to DC Boost Converter 10-20VDC Step up to 24VDC Voltage Regulator for Car
Part Number: ET41726049660A2



Product Name	12V to 24V 2A DC-DC Converter
Brand	EZONEDE
Model No.	FS12D24S2
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-20V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	2A
Output Power	48W
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 voltage protection
	Overheating 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

12V to 24V 3A 72W DC to DC Boost Converter 10-20VDC Step up to 24VDC Voltage Regulator for Car
Part Number: ET41726049660A3



Product Name	12V to 24V 3A DC-DC Converter
Brand	EZONED E
Model No.	FS12D24S3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-20V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	3A
Output Power	72W
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 voltage protection
	Overheating 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	90g
Warranty	12 months
Cooling Way	Free air convection
OEM&ODM Service	Acceptable

12V (9V-20V) to 24V 1A 24W Step Up Boost Converter 12VDC to 24VDC 1AMP Waterproof DC to DC
Voltage Regulator Car Power Supply Module
Part Number: ET526467174973A1



Product Name	12V to 24V DC-DC Converter
Brand	EZONEDE
Model No.	FS12D24A1
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-20V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	1A
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)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating 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

12V (9V-20V) to 24V 2A 48W Step Up Boost Converter 12VDC to 24VDC 2AMP Waterproof DC to DC
Voltage Regulator Car Power Supply Module
Part Number: ET526467174973A2



Product Name	12V to 24V DC-DC Converter
Brand	EZONEDE
Model No.	FS12D24A2
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-20V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	2A
Output Power	48W
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)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating 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

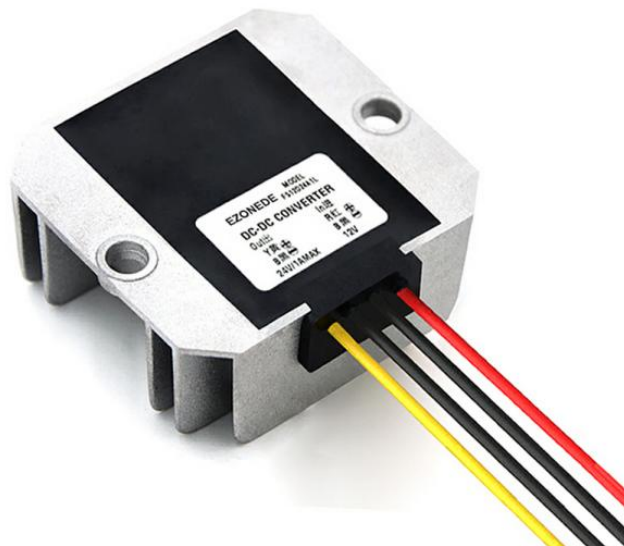
12V (9V-20V) to 24V 3A 72W Step Up Boost Converter 12VDC to 24VDC 3AMP Waterproof DC to DC
Voltage Regulator Car Power Module
Part Number: ET526467174973A3



Product Name	12V to 24V 3A DC-DC Converter
Brand	EZONEDE
Model No.	FS12D24A3
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-20V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	3A
Output Power	72W
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)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating 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

DC to DC Converter 12V to 24V 1A 24W Step Up Boost Power Converter Waterproof Voltage Regulator Car Power Supply Module

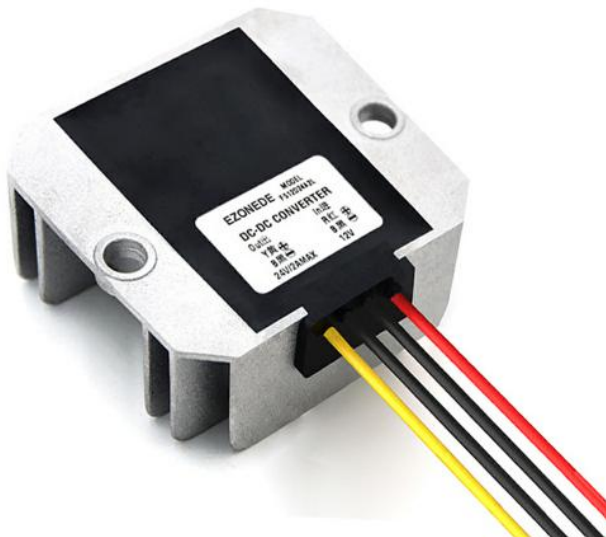
Part Number: ET563136159416A1



Product Name	DC-DC Converter 12V to 24V
Brand	EZONEDC
Model No.	FS12D24A1L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-20V
Output	
Output Voltage	DC24V
Output Current	1A, auto-adaption
Output Power	24W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	20-30mA
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 150℃
	Full waterproof potting
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	66*60*22mm
Installation Cable Length	13-15cm
Product Weight	104g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	
Customized Service	

DC to DC Converter 12V to 24V 2A 48W Step Up Boost Power Converter Waterproof Voltage Regulator Car Power Supply Module

Part Number: ET563136159416A2



Product Name	DC DC Converter 12V 24V
Brand	EZONEDC
Model No.	FS12D24A2L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-20V
Output	
Output Voltage	DC24V
Output Current	2A, auto-adaption
Output Power	48W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	20-30mA
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 150℃
	Full waterproof potting
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	66*60*22mm
Installation Cable Length	13-15cm
Product Weight	100g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	
Customized Service	

DC to DC Converter 12V to 24V 3A 72W Step Up Boost Power Converter Waterproof Voltage Regulator Car Power Supply Module

Part Number: ET563136159416A3



Product Name	DC DC Converter 12V 24V
Brand	EZONEDC
Model No.	FS12D24A3L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 10-20V
Output	
Output Voltage	DC24V
Output Current	3A, auto-adaption
Output Power	72W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	20-30mA
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 150℃
	Full waterproof potting
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive.
Case Material	Aluminum Alloy, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	66*60*22mm
Installation Cable Length	13-15cm
Product Weight	104g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM Service	
Customized Service	

12V (10V-22V) to 24V 5A 120W Step Up Boost Converter 12VDC to 24VDC 5AMP Waterproof DC-DC
Voltage Regulator Car Power Supply Module
Part Number: ET523804014119A5



Product Name	12V to 24V 5A DC-DC Converter
Brand	EZONEDE
Model No.	122405
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-22V
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	-20℃~+80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionUndervoltage 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

12V (10V-22V) to 24V 8A 192W Step Up Boost Converter 12VDC to 24VDC 8AMP Waterproof DC-DC
Voltage Regulator Car Power Supply Module
Part Number: ET523804014119A8



Product Name	12V to 24V 8A DC-DC Converter
Brand	EZONEDE
Model No.	122408
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-22V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	8A
Output Power	192W
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 protectionUndervoltage 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

12V (10V-22V) to 24V 10A 240W Step Up Boost Converter 12VDC to 24VDC 10AMP Waterproof DC-DC
Voltage Regulator Car Power Module
Part Number: ET523804014119A10



Product Name	12V to 24V 10A DC Converter
Brand	EZONEDE
Model No.	122410
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-22V
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	-20℃~+80℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protectionUndervoltage 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

12V (10V-22V) to 24V 12A 288W Step Up Boost Converter 12VDC to 24VDC 10AMP Waterproof DC-DC
Voltage Regulator Car Power Supply Module
Part Number: ET523804014119A12



Product Name	12V to 24V 12A 288W DC-DC Converter
Brand	EZONEDE
Model No.	122412
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-22V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	12A
Output Power	288W
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 protection Undervoltage 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

12V (10V-22V) to 24V 15A 360W Step Up Boost Converter 12VDC to 24VDC 15AMP Waterproof DC-DC
Voltage Regulator Car Power Module
Part Number: ET523804014119A15



Product Name	12V to 24V 15A 400W DC-DC Converter
Brand	EZONEDE
Model No.	122415
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-20V
Output(cable length: 12cm)	
Output Voltage	DC 24V
Output Current	15A
Output Power	360W
Conversion Efficiency	95%
Voltage regulation	$\pm 1\%$
Load regulation	$\pm 2\%$
Ripple (Full load test)	$< 150\text{mV}$
No-load current	$< 100\text{mA}$
Working Temperature	$-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$ (If ambient temperature exceeds 40°C , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating protection Undervoltage 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

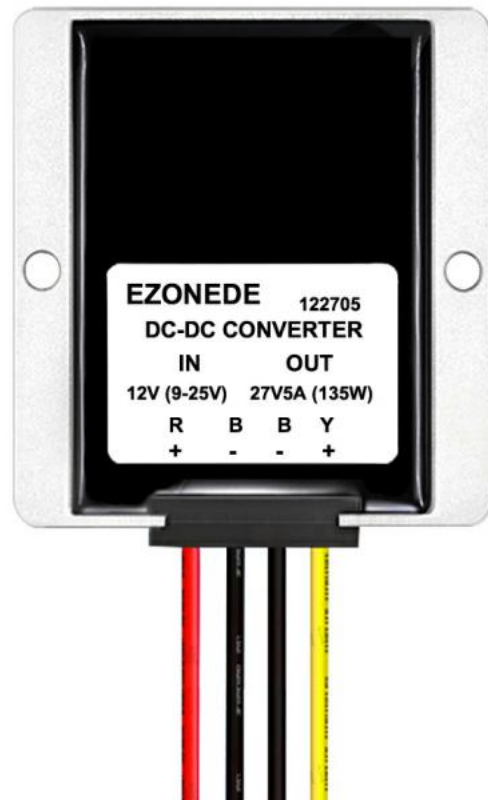
Part 6:

The following is:

12V to 27V Boost Converter

12V to 27V 5A 135W DC-DC Converter Boost Step up Power Transformer Voltage Regulator Car Power
Supply for LED Driver

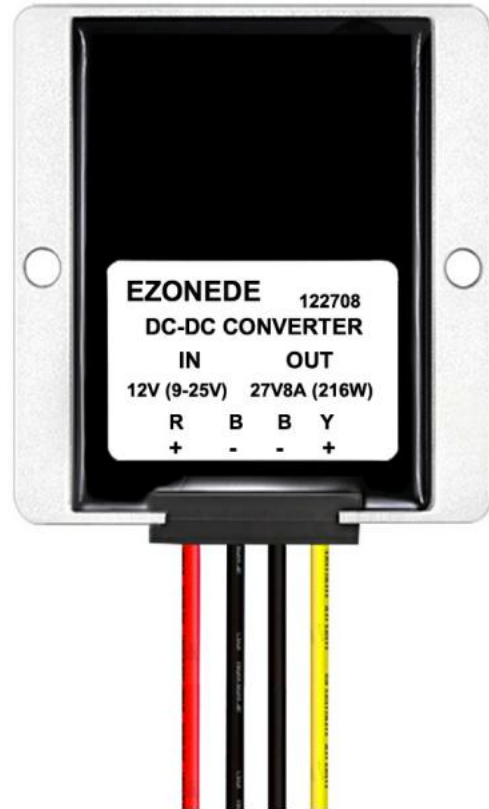
Part Number: ET20084358624A5



Product Name	12V to 27V 5A DC-DC Converter
Brand	EZONED
Model No.	122705
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-25V
Output(cable length: 12cm)	
Output Voltage	DC 27V
Output Current	5A
Output Power	135W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

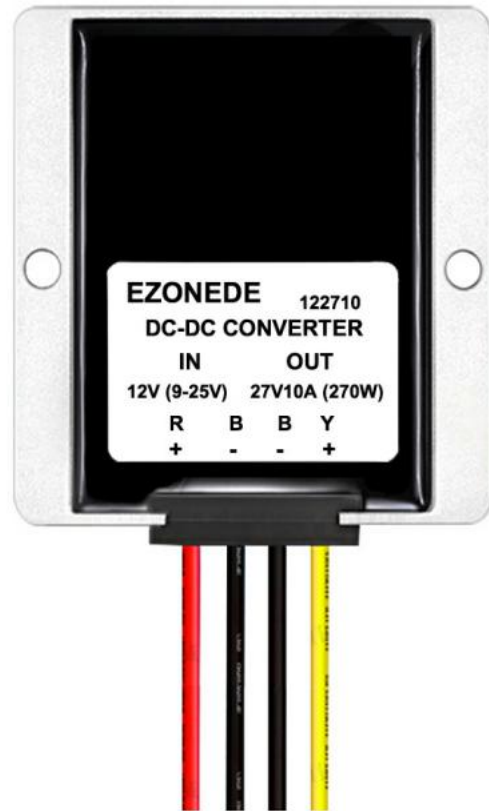
12V to 27V 8A 216W DC-DC Converter Boost Step up Power Transformer Voltage Regulator Car Power
Supply for LED Driver

Part Number: ET20084358624A8



Product Name	12V to 27V DC-DC Converter
Brand	EZONED
Model No.	122708
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-25V
Output(cable length: 12cm)	
Output Voltage	DC 27V
Output Current	8A
Output Power	216W
Conversion Efficiency	95%
Voltage regulation	$\pm 1\%$
Load regulation	$\pm 2\%$
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 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

12V to 27V 10A 270W DC-DC Converter Boost Step up Power Transformer Voltage Regulator Car Power
Supply for LED Driver
Part Number: ET20084358624A10



Product Name	12V to 27V DC-DC Converter
Brand	EZONEDE
Model No.	122710
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-25V
Output(cable length: 12cm)	
Output Voltage	DC 27V
Output Current	10A
Output Power	270W
Conversion Efficiency	95%
Voltage regulation	$\pm 1\%$
Load regulation	$\pm 2\%$
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 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 7:

The following is:

12V to 28V Boost Converter

12V to 28V 3A 84W DC to DC Converter Boost Step-up Stabilizer Voltage Regulator Car Vehicles Power Supply Transformer for LED Driver
Part Number: ET40974208841



Product Name	DC-DC Converter 12V to 28V 3A 84W
Brand	EZONEDE
Model No.	122803
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 10-16V
Output	
Output Voltage	DC 28V
Output Current	3A
Output Power	84W
Conversion Efficiency	92%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<25mA
Working Temperature	-35℃~+80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	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	Aluminum, anti-shock, anti-drop, anti-moisture, anti-dust and so on
Product Size (L x W x H)	66*60*22mm
Product Weight	110g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

12V to 28V 5A 140W DC to DC Converter Boost Step up Power Transformer Voltage Regulator Car Vehicles
Power Supply for LED Driver
Part Number: ET40259991917A5



Product Name	DC-DC Converter 12V to 28V 5A 140W
Brand	EZONEDE
Model No.	122805
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-16V
Output	
Output Voltage	DC 28V
Output Current	5A
Output Power	140W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	25mA
Working Temperature	-35℃~+80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	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	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 to 28V 8A 244W DC to DC Converter Boost Step up Power Transformer Voltage Regulator Car Vehicles
Power Supply for LED Driver
Part Number: ET40259991917A8



Product Name	DC DC Converter 12V to 28V 8A 224W
Brand	EZONEDE
Model No.	122808
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-16V
Output	
Output Voltage	DC 28V
Output Current	8A
Output Power	224W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	25mA
Working Temperature	-35℃~+80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	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	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 to 28V 10A 280W DC to DC Converter Boost Step up Power Transformer Voltage Regulator Car Vehicles
 Power Supply for LED Driver
 Part Number: ET40259991917A10



Product Name	DC DC Converter 12V to 28V 10A 280W
Brand	EZONEDE
Model No.	122810
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-16V
Output	
Output Voltage	DC 28V
Output Current	10A
Output Power	280W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	25mA
Working Temperature	-35℃~+80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	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	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

Part 8:

The following is:

12V to 30V Boost Converter

12V to 30V 10A 300W DC to DC Converter Boost Step-up Stabilizer Voltage Regulator Car Vehicles Power Supply Transformer for LED Driver
Part Number: ET521053612498A10



Product Name	DC DC Converter 12V to 30V
Brand	EZONEDE
Model No.	123010L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 10-16V
Output	
Output Voltage	DC 30V
Output Current	10A
Output Power	300W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 180mV
No-load current	<100mA
Working Temperature	-30℃~+60℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, white for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lights Solar Panel Power Syste
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

Part 9:

The following is:

12V to 32V Boost Converter

12V to 32V 2A 64W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply Transformer for LED Driver Part Number: ET521053612498A2



Product Name	DC-DC Converter 12V to 32V
Brand	EZONEDE
Model No.	123202L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-30V
Output	
Output Voltage	DC 32V
Output Current	2A
Output Power	64W
Conversion Efficiency	95%
Voltage regulation	±1%
Load regulation	± 2%
Ripple (Full load test)	< 180mV
No-load current	<100mA
Working Temperature	-20℃~+85℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, white for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lights Solar Panel Power Syste
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 to 32V 3A 96W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply Transformer for LED Driver

Part Number: ET521053612498A3



Product Name	DC-DC Converter 12V to 32V
Brand	EZONEDE
Model No.	123203L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-30V
Output	
Output Voltage	DC 32V
Output Current	3A
Output Power	96W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 180mV
No-load current	<100mA
Working Temperature	-20℃~+85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, white for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lights Solar Panel Power Syste
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 to 32V 5A 160W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver
Part Number: ET521053612498A5



Product Name	DC-DC Converter 12V to 32V
Brand	EZONEDE
Model No.	123205L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-30V
Output	
Output Voltage	DC 32V
Output Current	5A
Output Power	160W
Conversion Efficiency	95%
Voltage regulation	±1%
Load regulation	± 2%
Ripple (Full load test)	< 180mV
No-load current	<100mA
Working Temperature	-20℃~+85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, white for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lights Solar Panel Power Syste
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	280g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

12V to 32V 8A 256W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver
Part Number: ET521053612498A8



Product Name	DC-DC Converter 12V to 32V
Brand	EZONEDE
Model No.	123208L
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-30V
Output	
Output Voltage	DC 32V
Output Current	8A
Output Power	256W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 180mV
No-load current	<100mA
Working Temperature	-20℃~+85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, white for output positive
Application	Electric motors, fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lights Solar Panel Power System
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

Part 10:

The following is:

12V to 36V Boost Converter

12V (10-30V) to 36V 1A 36W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Waterproof
Part Number: ET524106895372A1



Product Name	10-30V to 36V 1A DC Converter
Brand	EZONED
Model No.	3601S
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-30V
Output(cable length: 12cm)	
Output Voltage	DC 36V
Output Current	1A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃~+65℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current 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	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

12V (10-30V) to 36V 2A 72W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Waterproof
Part Number: ET524106895372A2



Product Name	10-30V to 36V DC-DC Converter
Brand	EZONEDE
Model No.	3602S
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-30V
Output(cable length: 12cm)	
Output Voltage	DC 36V
Output Current	2A
Output Power	72W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-25℃~+65℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current 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	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

12V (10-30V) to 36V 1A 36W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Waterproof
Part Number: ET557603257007A1



Product Name	DC-DC Converter 12V to 36V
Brand	EZONEDE
Model No.	FS30D36A1
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 10-30V
Output	
Output Voltage	DC 36V
Output Current	1A
Output Power	36W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 200mV
No-load current	20mA
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-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsElectrical appliances,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)	66*60*32mm
Product Weight	102g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

12V (10-30V) to 36V 2A 72W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Waterproof
Part Number: ET557603257007A2



Product Name	DC-DC Converter 12V to 36V
Brand	EZONEDE
Model No.	FS30D36A2
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 10-30V
Output	
Output Voltage	DC 36V
Output Current	2A
Output Power	72W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 200mV
No-load current	20mA
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-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	No, please follow label instructions wiring strictly: red for input positive, black is negative, yellow for output positive
Application	Electric fans, Audio, Trucks, Golf Carts ,ForkliftsGPS Navigation, Monitoring, Air conditioningLED car display, DVD, LED bulb lightsElectrical appliances,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)	66*60*32mm
Product Weight	102g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

12V to 36V 1A 36W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply
Transformer for 36W LED Driver
Part Number: ET38476948018A1



Product Name	DC DC Converter 12V to 36V 1A 36W
Brand	EZONEDE
Model No.	FS12D36A1
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-16V
Output	
Output Voltage	DC 36V
Output Current	1A
Output Power	36W
Conversion Efficiency	94%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 200mV
No-load current	20mA
Working Temperature	-35℃~+80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	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 lightsElectrical 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)	66*60*22mm
Product Weight	110g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

12V to 36V 2A 72W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply Transformer for LED Driver

Part Number: ET38476948018A2



Product Name	DC DC Converter 12V to 36V 2A 72W
Brand	EZONEDE
Model No.	FS12D36A2
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 9-16V
Output	
Output Voltage	DC 36V
Output Current	2A
Output Power	72W
Conversion Efficiency	94%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 200mV
No-load current	20mA
Working Temperature	-35℃~+80℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Input/Output Reverse Polarity Protection	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 lightsElectrical 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)	66*60*22mm
Product Weight	110g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept

12V to 36V 3A 108W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply
Transformer for 100W LED Driver
Part Number: ET521930562419A3



Product Name	12V to 36V DC-DC Converter
Brand	EZONEDE
Model No.	123603L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-32V
Output(cable length: 12cm)	
Output Voltage	DC 36V
Output Current	3A
Output Power	108W
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
	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

12V to 36V 4A 144W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply
Transformer for 100W 120W LED Driver
Part Number: ET521930562419A4



Product Name	12V to 36V DC-DC Converter
Brand	EZONEDE
Model No.	123604L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-32V
Output(cable length: 12cm)	
Output Voltage	DC 36V
Output Current	4A
Output Power	144W
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
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

12V to 36V 5A 180W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply
Transformer for 120W 150W LED Driver
Part Number: ET521930562419A5



Product Name	12V to 36V DC-DC Converter
Brand	EZONEDE
Model No.	123605L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-32V
Output(cable length: 12cm)	
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
	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

12V to 36V 8A 288W DC to DC Step up Boost Converter Stabilizer Voltage Regulator Power Supply
Transformer for 180W 200W LED Driver
Part Number: ET521930562419A8



Product Name	12V to 36V DC-DC Converter
Brand	EZONEDE
Model No.	123608L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 10-32V
Output(cable length: 12cm)	
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
	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

Part 11:

The following is:

12V to 48V Boost Converter

12V to 48V 1A 48W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET524130849651A1



Product Name	DC-DC Converter 12V 24V to 48V 1A 48W
Brand	EZONED
Model	4801S
Input rated voltage	12V DC
Input voltage range	10-30V DC
Efficiency	95%
Output voltage	48V
Output current	1A MAX
Output rated power	48W
Output peak power	57W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃~+65℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Waterproof rating	IP67
Full load temperature rise:	45° C
Protection	Over-current,Over-temperature Protection
Short-circuit protection	NO, if need please add fuse on the positive pole on input
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	90g
Product size	58*40*22MM
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.	

12V to 48V 2A 96W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET524130849651A2



Product Name	DC-DC Converter 12V to 48V 2A 96W
Brand	EZONED
Model	4802S
Input rated voltage	12V DC
Input voltage range	10-30V DC
Efficiency	95%
Output voltage	48V
Output current	2A MAX
Output rated power	96W
Output peak power	57W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃~+65℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Waterproof rating	IP67
Full load temperature rise:	45° C
Protection	Over-current,Over-temperature Protection
Short-circuit protection	NO, if need please add fuse on the positive pole on input
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	90g
Product size	58*40*22MM
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.	

12V to 48V 3A 144W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET520400730406A3



Product Name	12V to 48V 3A 144W DC-DC Converter
Brand	EZONEDE
Model No.	124803L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-30V
Output(cable length: 12cm)	
Output Voltage	DC 48V
Output Current	3A
Output Power	144W
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 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

12V to 48V 4A 192W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET520400730406A4



Product Name	24V to 48V 4A 192W DC-DC Converter
Brand	EZONEDE
Model No.	124804L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-30V
Output(cable length: 12cm)	
Output Voltage	DC 48V
Output Current	4A
Output Power	192W
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

12V to 48V 5A 240W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for Golf Cart LED Driver Solar Panel Waterproof
Part Number: ET520400730406A5



Product Name	12V to 48V 5A 240W DC-DC Converter
Brand	EZONEDE
Model No.	124805L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-30V
Output(cable length: 12cm)	
Output Voltage	DC 48V
Output Current	5A
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
	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

12V to 48V 6A 288W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for Golf Cart LED Driver Solar Panel Waterproof
Part Number: ET520400730406A6



Product Name	12V to 48V 5A 288W DC-DC Converter
Brand	EZONEDE
Model No.	124806L
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V
Input Voltage Range	DC 9-30V
Output(cable length: 12cm)	
Output Voltage	DC 48V
Output Current	5A
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
	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

Part 12:

The following is:

12V to 60V Boost Converter

12V to 60V 1A 60W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET524132506309A1



Product Name	12V to 60V 1A 60W Boost Voltage Regulator
Brand	EZONED
Model	6001S
Input rated voltage	12V DC
Input voltage range	10-30V DC
Efficiency	95%
Output voltage	60V
Output current	1A
Output rated power	60W
Output peak power	72W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃~+65℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Waterproof rating	IP67
Full load temperature rise:	45° C
Protection	Over-current,Over-temperature Protection
Short-circuit protection	NO, if need pls add fuse on the positive pole on input
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	90g
Product size	58*40*22MM
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 to 60V 1.5A 90W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET524132506309A1.5



Product Name	12V to 60V 1.5A 90W DC-DC Converter
Brand	EZONED
Model	60015S
Input rated voltage	12V 24V DC
Input voltage range	10-30V DC
Efficiency	95%
Output voltage	60V
Output current	1.5A MAX
Output rated power	90W
Output peak power	108W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃~+65℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Waterproof rating	IP67
Full load temperature rise:	45° C
Protection	Over-current,Over-temperature Protection
Short-circuit protection	NO, if need pls add fuse on the positive pole on input
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	90g
Product size	58*40*22MM
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 60V 1A 60W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET37965881725A1



Product Name	12V 24V to 60V 1A 60W DC-DC Converter
Brand	EZONEDE
Model No.	60010B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V/24V
Input Voltage Range	DC 10-32V
Output(cable length: 12cm)	
Output Voltage	DC 60V
Output Current	1A
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
	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

12V 24A to 60V 2A 120W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET37965881725A2



Product Name	12V 24V to 60V 2A 120W DC Converter
Brand	EZONEDE
Model No.	60020B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V / 24V
Input Voltage Range	DC 10-32V
Output(cable length: 12cm)	
Output Voltage	DC 60V
Output Current	2A
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
	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 13:

The following is:

12V to 72V Boost Converter

12V (10-30V) to 72V 1A 72W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET524104955381A1



Product Name	12V to 72V 1A 72W Step Up Booster
Brand	EZONEDE
Model	7201S
Input rated voltage	12V DC
Input voltage range	10-30V DC
Efficiency	95%
Output voltage	72V
Output current	1A MAX
Output rated power	72W
Output peak power	86W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃~+65℃ (If ambient temperature exceeds 40℃ , lower power use, or to enhance heat dissipation)
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Waterproof rating	IP67
Full load temperature rise:	45° C
Protection	Over-current,Over-temperature Protection
Short-circuit protection	NO, if need please add fuse on the positive pole on input
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
N. W.	90g
Product size	58*40*22MM
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.	

12V (10-30V) to 72V 1.5A 108W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power
Supply Transformer for LED Driver Solar Panel Waterproof
Part Number: ET524104955381A1.5



Product Name	12V to 72V 1.5A 108W Step Up Booster
Brand	EZONED
Model	72015S
Input rated voltage	12V DC
Input voltage range	10-30V DC
Efficiency	95%
Output voltage	72V
Output current	1A MAX
Output rated power	108W
Output peak power	129W
Voltage regulation	< 1%
Load regulation	< 2%
Working temperature	-25℃~+65℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Waterproof rating	IP67
Full load temperature rise:	45° C
Protection	Over-current,Over-temperature Protection
Short-circuit protection	NO, if need please add fuse on the positive pole on input
Input Reverse Polarity Protection	None (Please Series diode at the input port.)
NW	90g
Product size	58*40*22MM
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.	

12V 24V to 72V 1.5A 108W DC to DC Converter Step up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Solar Panel Waterproof
Part Number: ET37978896101



Product Name	12V 24V to 72V 1.5A 108W DC Converter
Brand	EZONEDE
Model No.	72015B
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 12V 24V
Input Voltage Range	DC 10-32V
Output(cable length: 12cm)	
Output Voltage	DC 72V
Output Current	1.5A
Output Power	108W
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
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 14:

The following is:

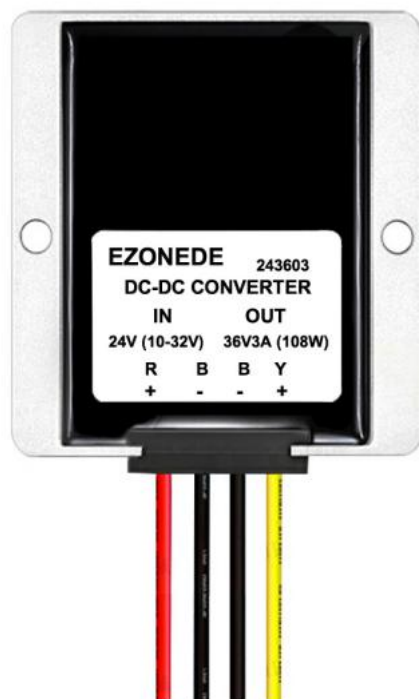
24V to 36V Boost Converter

24V to 36V 2A 72W DC to DC Converter Step-up Boost Stabilizer Voltage Regulator Power Supply
Transformer for 60W LED Driver Waterproof
Part Number: ET521050993006A2



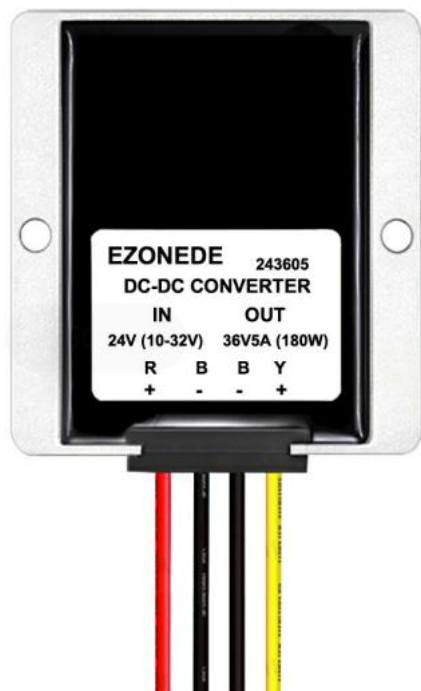
Product Name	24V to 36V DC-DC Converter
Brand	EZONEDE
Model No.	243602
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 18-32V
Output(cable length: 12cm)	
Output Voltage	DC 36V
Output Current	2A
Output Power	72W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

24V to 36V 3A 108W DC to DC Converter Step-up Boost Stabilizer Voltage Regulator Power Supply
Transformer for 100W LED Driver Waterproof
Part Number: ET521050993006A3



Product Name	24V to 36V DC-DC Converter
Brand	EZONEDE
Model No.	243603
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 18-32V
Output(cable length: 12cm)	
Output Voltage	DC 36V
Output Current	3A
Output Power	108W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

24V to 36V 5A 180W DC to DC Converter Step-up Boost Stabilizer Voltage Regulator Power Supply
Transformer for 100W 120W LED Driver Waterproof
Part Number: ET521050993006A5



Product Name	24V to 36V 5A DC-DC Converter
Brand	EZONEDE
Model No.	243605
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 18-32V
Output(cable length: 12cm)	
Output Voltage	DC 36V
Output Current	5A
Output Power	180W
Conversion Efficiency	95%
Voltage regulation	$\pm 1\%$
Load regulation	$\pm 2\%$
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+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
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

24V to 36V 8A 288W DC to DC Converter Step-up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Waterproof
Part Number: ET521050993006A8



Product Name	24V to 36V DC-DC Converter
Brand	EZONEDE
Model No.	243608
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 18-32V
Output(cable length: 12cm)	
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	-20℃~+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
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 15:

The following is:

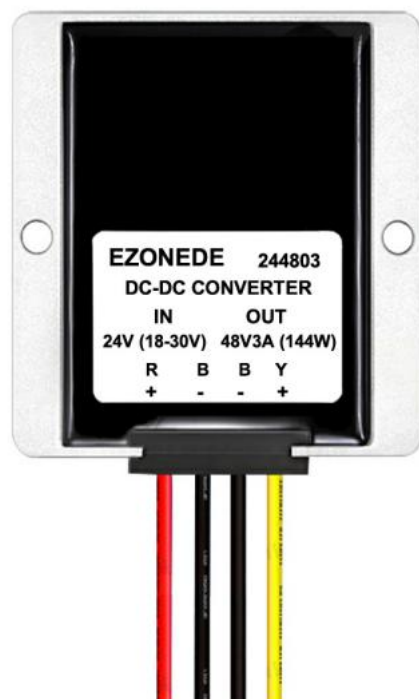
24V to 48V Boost Converter

24V to 48V 2.1A 100W DC to DC Converter Step-up Boost Stabilizer Voltage Regulator Power Supply
Transformer for LED Driver Waterproof
Part Number: ET521051393285A2.1



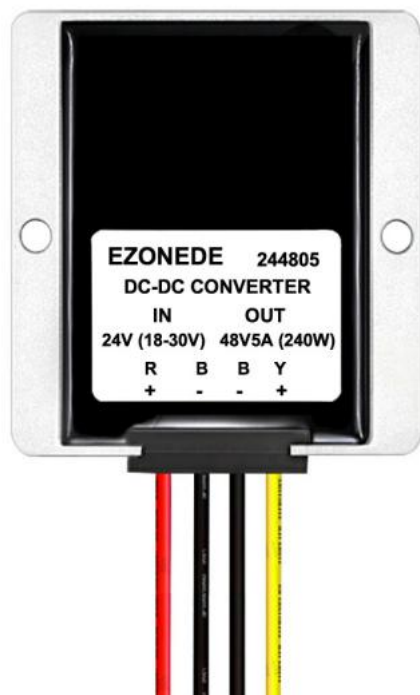
Product Name	24V to 48V DC-DC Converter
Brand	EZONEDE
Model No.	244802. 1
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 18-30V
Output(cable length: 12cm)	
Output Voltage	DC 48V
Output Current	2. 1A
Output Power	100W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating 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

24V to 48V 3A 144W DC to DC Converter Step-up Boost Stabilizer Voltage Regulator Power Supply
Transformer Car Power Inverter Waterproof
Part Number: ET521051393285A3



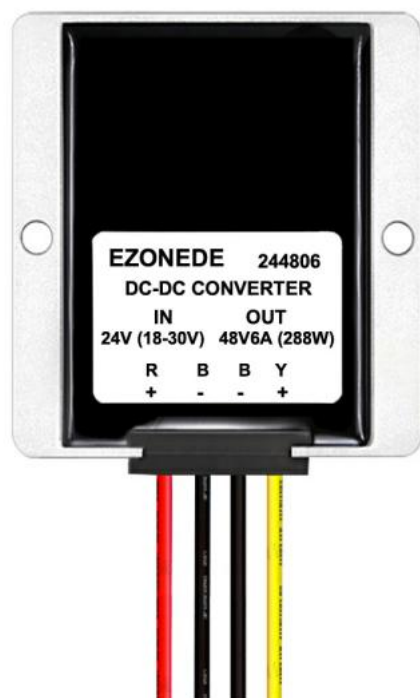
Product Name	24V to 48V DC-DC Converter
Brand	EZONEDE
Model No.	244803
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 18-30V
Output(cable length: 12cm)	
Output Voltage	DC 48V
Output Current	3A
Output Power	144W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating 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

24V to 48V 5A 240W DC to DC Converter Step-up Boost Stabilizer Voltage Regulator Power Supply
Transformer Car Power Inverter Waterproof
Part Number: ET521051393285A5



Product Name	24V to 48V DC-DC Converter
Brand	EZONEDE
Model No.	244805
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 18-30V
Output(cable length: 12cm)	
Output Voltage	DC 48V
Output Current	5A
Output Power	240W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating 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

24V to 48V 6A 288W DC to DC Converter Step-up Boost Stabilizer Voltage Regulator Power Supply
Transformer Car Power Inverter Waterproof
Part Number: ET521051393285A6



Product Name	24V to 48V DC-DC Converter
Brand	EZONEDE
Model No.	244806
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 24V
Input Voltage Range	DC 18-30V
Output(cable length: 12cm)	
Output Voltage	DC 48V
Output Current	6A
Output Power	288W
Conversion Efficiency	95%
Voltage regulation	± 1%
Load regulation	± 2%
Ripple (Full load test)	< 150mV
No-load current	<100mA
Working Temperature	-20℃~+85℃ (If ambient temperature exceeds 40℃, lower power use, or to enhance heat dissipation)
Waterproof Rating	IP68
Protection	Over-current protection
	Overheating 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 16:

The following is:

36V to 48V Boost Converter

36V to 48V 4A 192W DC to DC Converter Step-up Boost Stabilizer Voltage Regulator Power Supply Transformer Car Power Inverter Waterproof Part Number: ET19162277283



Product Name	36V to 48V 4A 192W DC-DC Converter
Brand	EZONEDE
Model No.	364804
Module Properties	non-isolated buck module
Rectification	synchronous rectification
Input(cable length: 12cm)	
Input Voltage	DC 36V
Input Voltage Range	DC 25-40V
Output(cable length: 12cm)	
Output Voltage	DC 48V
Output Current	4A
Output Power	192W
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
	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 17:

The following is:

Boost Adjustable DC-DC Converter

DC-DC Converter 5-22V to 6-24V 3A Adjustable Step Up Boost Stabilizer Voltage Regulator Power Supply
Transformer Car Power Inverter Waterproof
Part Number:ET547549575437



Product Name	DC DC Converter 5-22V to 6-24V 3A 72W Adjustable
Brand	EZONEDE
Model No.	FS2403ADJ
Module Properties	non-isolated boost module
Rectification	synchronous rectification
Input	
Input Voltage	DC 12V
Input Voltage Range	DC 5-22V
Output	
Output Voltage	DC 6-24V
Output Current	3A
Output Power	72W
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	IP67
Protection	Over-current protection
	Over-voltage protection
	Overheat protection
Application	DIY 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	109g
Warranty	12 months, lifetime up to 100,000 hours
Cooling Way	Free air convection
OEM&ODM Service	Accept