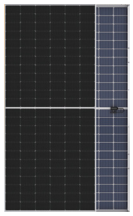

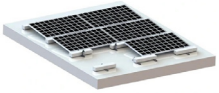

LITHIUM BATTERY
SOLAR ENERGY STORAGE SYSTEM
CATALOGUE 2026

SHANGHAI PVSYS NEW ENERGY CO.,LTD
PVSYS ENERGY GROUP LIMITED
ADD:3rd floor,No 1559 East Zhuan Xing Road,Shanghai,China.
Email: sales@pv-system.net
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Shanghai Pvsys New Energy Co.,Ltd
Email: sales@pv-system.net
www.pv-system.net

Shanghai Pvsys New Energy Co.,Ltd is the professional manufacturer of solar panel,solar storage system in the market for more than 13 years.

With our newest technology of Topcon,HJT, our customers can get higher efficiency with best performance through the lifespan of the solar panel.

Our solar storage system is with built in solar hybrid inverter,mppt controller and LifePO4 battery with BMS(Battery Management System), it can be used in No-power areas and it also helps our cusotmer to save their energy bill.We are offering the customization of our solar system based on different needs from our customers. We blieve that "a suitable one for you!"

We have acquired the certificates of CE,IEC61215-1-1:2021,IEC61730-1:2018,IEC 61730-2:2018 and Fire safety Class.

With high quality solar products and best service,we have customers from Italy,Germany,Sweden,Spain,England,Dubai,South Africa,New Zeland,Australian,Japan,Indonesia.etc more than 50 countries and areas.

We always seem "Quality is our life", without good quality,we can not go any further. We blieve with our effort,we will make the world better.

700KW in Japan

300KW in Japan

13KW in Japan

6KW in Tahiti

14.76KW in Sweden

39.6KW-15.12kWh in Iraq

Shanghai Pvsys New Energy Co.,Ltd
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PERC MONOCRYSTALLINE SOLAR PANEL
PVS-410W/420W-M10H

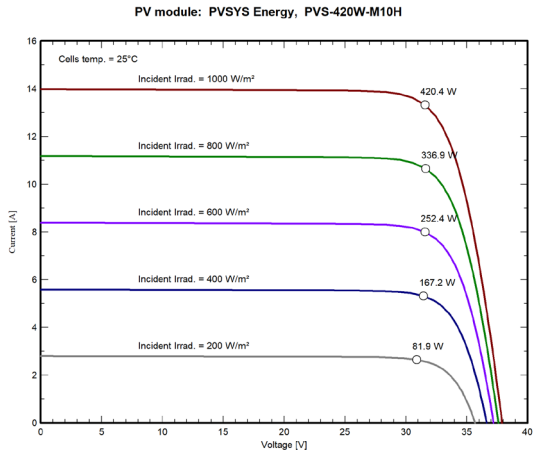
Introduction:
Redefined the high-efficiency module series by integrating 182mm silicon wafers with PERC cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

Key Features:
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

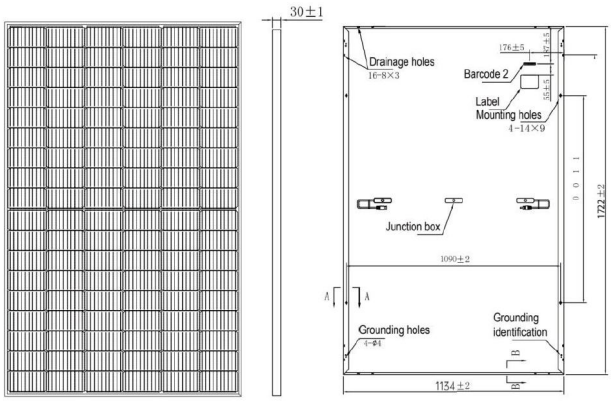
Module Type	PVS-410W-M10H	PVS-420W-M10H
Maximum Power (Pmp)	410W	420W
Open Circuit Voltage (Voc)	37.50V	37.90V
Short Circuit Current (Isc)	13.84A	13.97A
Maximum Power Voltage (Vmp)	31.30V	31.70V
Maximum Power Current (Imp)	13.10A	13.26A
Module Efficiency at STC(%)	22.37%	22.53%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25A	
Power Tolerance	0~+3%	

Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	1722x1134x30mm
Solar Cells	Mono 108cells
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2
Weight	22kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	36pcs/pallet, 936pcs/40HQ



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°C

Product warranty:
15 years guarantee on product material and workmanship
25 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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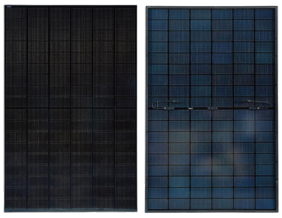
N-TYPE MONOCRYSTALLINE SOLAR PANEL
PVS-430W/440W-M10HDT



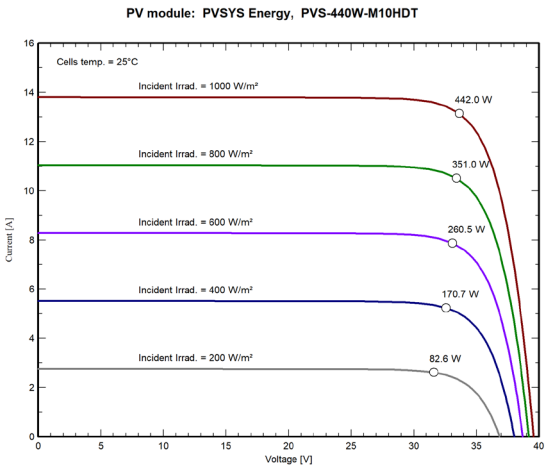
Introduction:
Redefined the high-efficiency module series by integrating 182mm silicon wafers with N-type cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

Key Features:
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

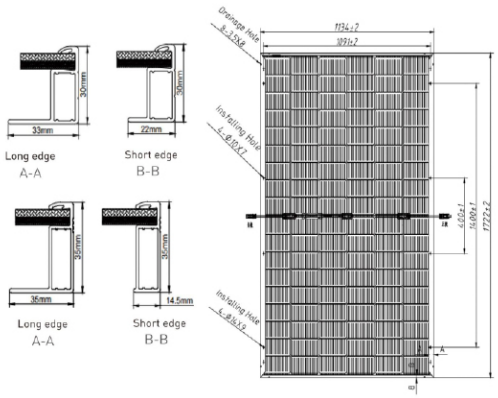
Module Type	PVS-430W-M10HDT	PVS-440W-M10HDT
Maximum Power (Pmp)	430W	440W
Open Circuit Voltage (Voc)	38.16V	39.57V
Short Circuit Current (Isc)	13.65A	13.80A
Maximum Power Voltage (Vmp)	32.58V	32.99V
Maximum Power Current (Imp)	13.20A	13.34A
Module Efficiency at STC(%)	22.02%	22.53%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25A	
Power Tolerance	0~+3%	

Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	1722x1134x30mm
Solar Cells	Mono 108cells
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2
Weight	22kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	36pcs/pallet, 936pcs/40HQ



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°C

Product warranty:
15 years guarantee on product material and workmanship
30 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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N-TYPE MONOCRYSTALLINE SOLAR PANEL

PVS-450W/460W-M10HDT

Introduction:

Redefined the high-efficiency module series by integrating 182mm silicon wafers with TOPCON N Type cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

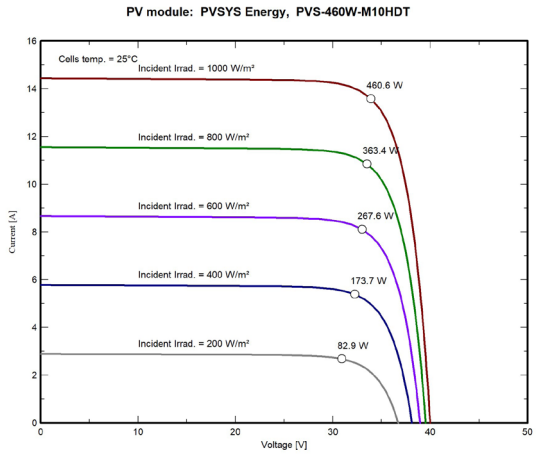
Key Features:

- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

Module Type	PVS-450W-M10HDT	PVS-460W-M10HDT
Maximum Power (Pmp)	450W	460W
Open Circuit Voltage (Voc)	39.58V	39.99V
Short Circuit Current (Isc)	14.35A	14.43A
Maximum Power Voltage (Vmp)	33.20V	33.60V
Maximum Power Current (Imp)	13.56A	13.69A
Module Efficiency at STC(%)	22.70%	23.10%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25A	
Power Tolerance	0~+3%	

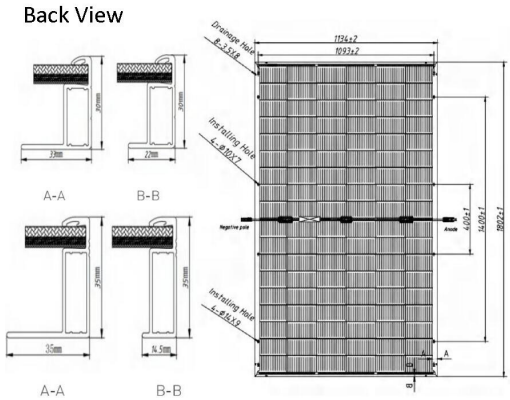
Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	1802x1134x30 mm
Solar Cells	Mono 108cells
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2
Weight	30.4kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	36pcs/pallet, 828pcs/40HQ

Back View



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Pmax	-0.300%/°C

Product warranty:

15 years guarantee on product material and workmanship
30 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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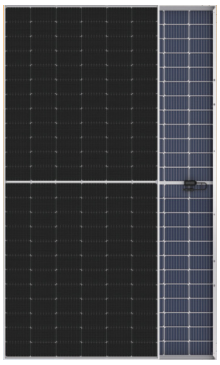
N-TYPE MONOCRYSTALLINE SOLAR PANEL
PVS-575W/580W-M10HDT



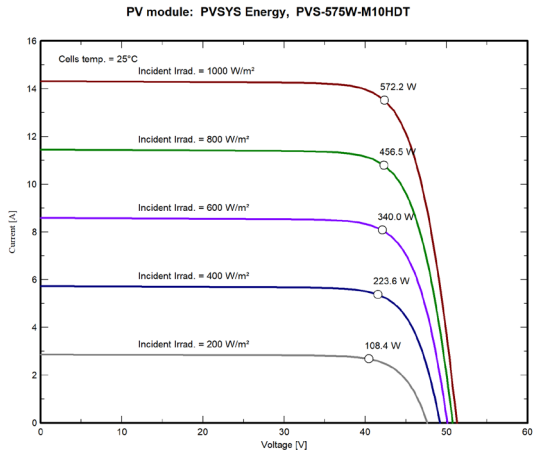
Introduction:
Redefined the high-efficiency module series by integrating 182mm silicon wafers with N-type cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

Key Features:
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

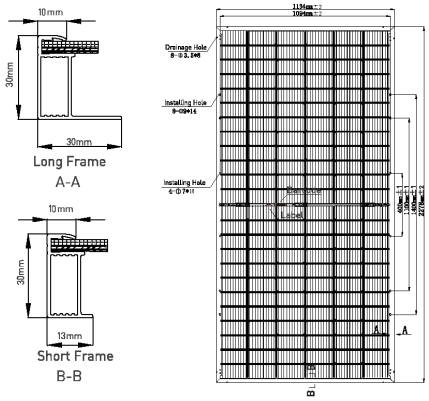
Module Type	PVS-575W-M10HDT	PVS-580W-M10HDT
Maximum Power (Pmp)	575W	580W
Open Circuit Voltage (Voc)	51.27V	51.47V
Short Circuit Current (Isc)	14.31A	14.37A
Maximum Power Voltage (Vmp)	42.44V	42.59V
Maximum Power Current (Imp)	13.55A	13.62A
Module Efficiency at STC(%)	22.26%	22.45%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	30A	
Power Tolerance	0~+3%	

Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	2278x1134x30 mm
Solar Cells	N-Type Mono 144cells(6*24)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2 (300mm+/300mm-)
Weight	32kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	36pcs/pallet, 720pcs/40HQ



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:
15 years guarantee on product material and workmanship
30 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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www.pv-system.net

N-TYPE MONOCRYSTALLINE SOLAR PANEL
PVS-600W/610W-M10HDT

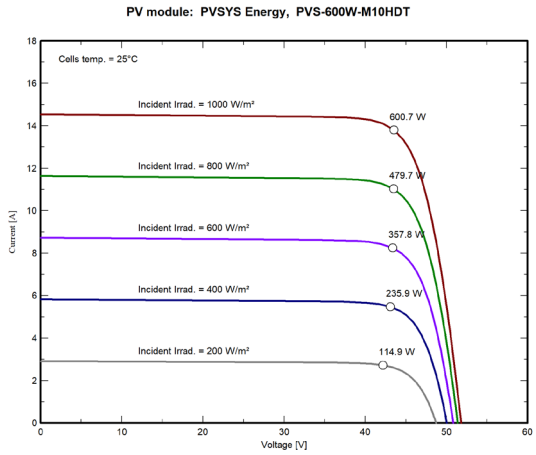
Introduction:
Redefined the high-efficiency module series by integrating 182mm silicon wafers with N-type cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

Key Features:
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

Module Type	PVS-600W-M10HDT	PVS-610W-M10HDT
Maximum Power (Pmp)	600W	610W
Open Circuit Voltage (Voc)	51.80V	52.20V
Short Circuit Current (Isc)	14.54A	14.66A
Maximum Power Voltage (Vmp)	44.00V	44.40V
Maximum Power Current (Imp)	13.64A	13.74A
Module Efficiency at STC(%)	22.22%	22.60%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25A	
Power Tolerance	0~+3%	

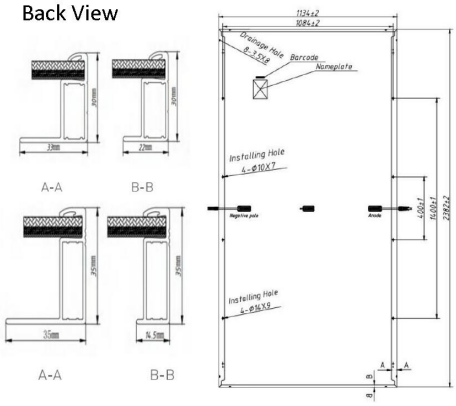
Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	2382x1134x30 mm
Solar Cells	N-Type Mono 144cells(6*24)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2 (300mm+/300mm-)
Weight	33.5kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	36pcs/pallet, 720pcs/40HQ

Back View



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:
15 years guarantee on product material and workmanship
30 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
Email: sales@pv-system.net
www.pv-system.net

N-TYPE MONOCRYSTALLINE SOLAR PANEL

PVS-620W/630W-M12HDT

Introduction:

Redefined the high-efficiency module series by integrating 210mm silicon wafers with N-type cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

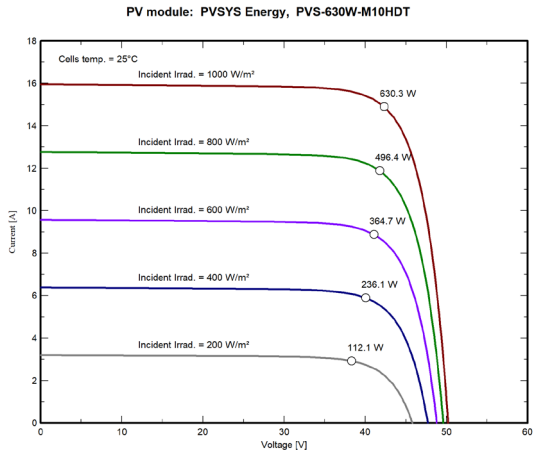
Key Features:

- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

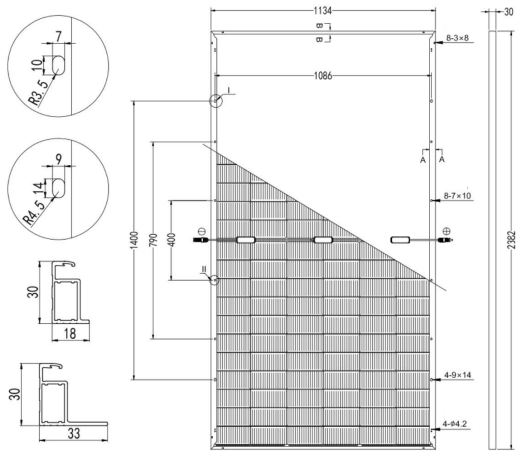
Module Type	PVS-620W-M12HDT	PVS-630W-M12HDT
Maximum Power (Pmp)	620W	630W
Open Circuit Voltage (Voc)	49.61V	50.21V
Short Circuit Current (Isc)	15.89A	15.95A
Maximum Power Voltage (Vmp)	41.65V	42.24V
Maximum Power Current (Imp)	14.89A	14.92A
Module Efficiency at STC(%)	22.95%	23.32%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	30A	
Power Tolerance	0~+3%	

Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	2382x1134x30 mm
Solar Cells	N-Type Mono 132cells(6*22)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2 (300mm+/300mm-)
Weight	33.9kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	36pcs/pallet, 720pcs/40HQ



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.042%/°C
Temperature Coefficient of Voc	-0.240%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:

15 years guarantee on product material and workmanship
30 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
Email: sales@pv-system.net
www.pv-system.net

N-TYPE MONOCRYSTALLINE SOLAR PANEL
PVS-730W/740W-M12HDT

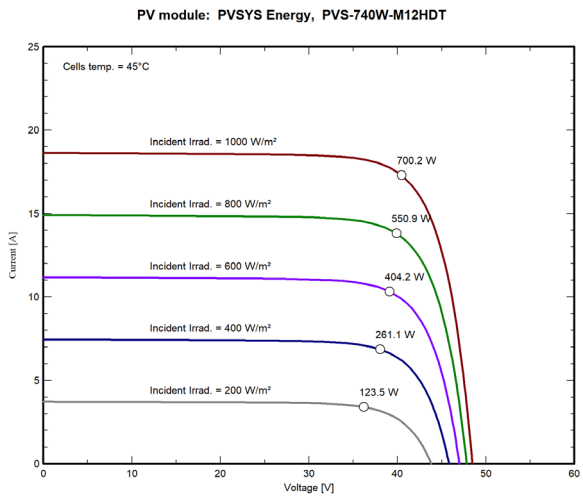
Introduction:
Redefined the high-efficiency module series by integrating 210mm silicon wafers with N-type cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

Key Features:
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

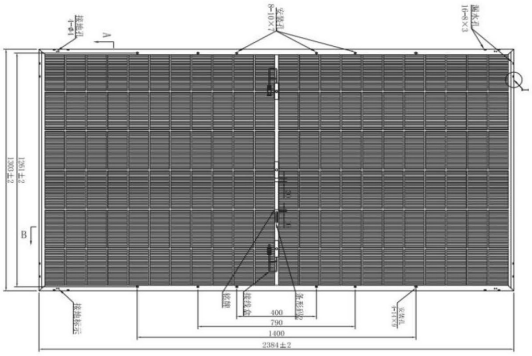
Module Type	PVS-730W-M12HDT	PVS-740W-M12HDT
Maximum Power (Pmp)	730W	740W
Open Circuit Voltage (Voc)	50.37V	50.57V
Short Circuit Current (Isc)	18.35A	18.53A
Maximum Power Voltage (Vmp)	42.32V	42.50V
Maximum Power Current (Imp)	17.26A	17.42A
Module Efficiency at STC(%)	23.50%	23.82%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	30A	
Power Tolerance	0~+3%	

Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	2384x1303x33 mm
Solar Cells	N-Type Mono 132cells(6*22)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2 (300mm+/300mm-)
Weight	Approx 37.5kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	33pcs/pallet, 594pcs/40HQ



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.220%/°C
Temperature Coefficient of Pmax	-0.240%/°C

Product warranty:
15 years guarantee on product material and workmanship
30 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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www.pv-system.net

PERC MONOCRYSTALLINE SOLAR PANEL
PVS-545W/550W-M10H

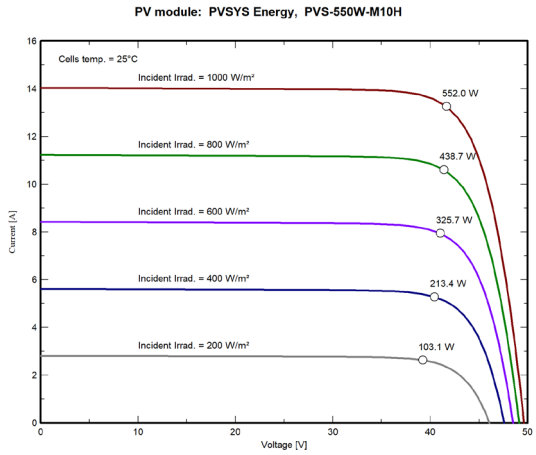
Introduction:
Redefined the high-efficiency module series by integrating 182mm silicon wafers with PERC cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

Key Features:
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

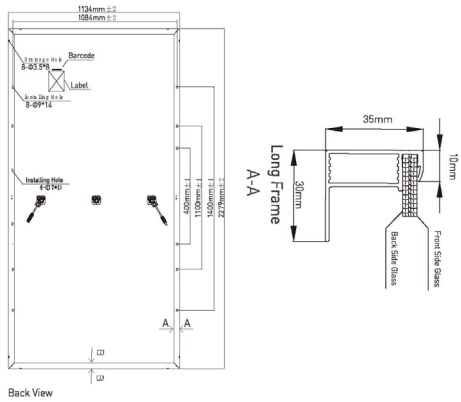
Module Type	PVS-545W-M10H	PVS-550W-M10H
Maximum Power (Pmp)	545W	550W
Open Circuit Voltage (Voc)	49.52V	49.62V
Short Circuit Current (Isc)	13.94A	14.03A
Maximum Power Voltage (Vmp)	40.80V	40.90V
Maximum Power Current (Imp)	13.36A	13.45A
Module Efficiency at STC(%)	21.2%	21.4%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	30A	
Power Tolerance	0~+3%	

Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	2279x1134x35 mm
Solar Cells	Mono 144cells(6*24)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2
Weight	29.4kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	31pcs/pallet, 620pcs/40HQ



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:
15 years guarantee on product material and workmanship
25 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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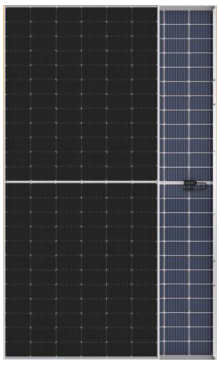
HJT MONOCRYSTALLINE SOLAR PANEL
PVS-695W/700W-M12HDT



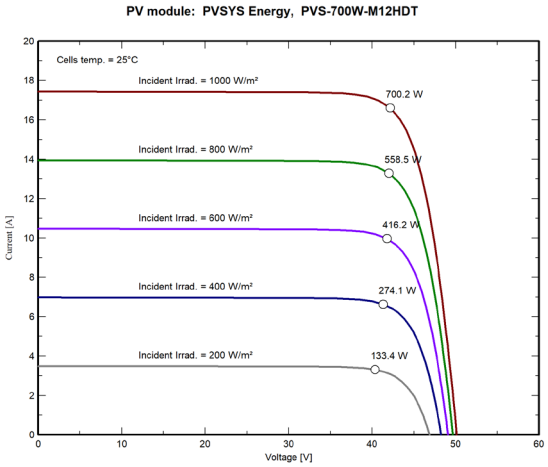
Introduction:
Redefined the high-efficiency module series by integrating 210mm silicon wafers with HJT cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

Key Features:
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

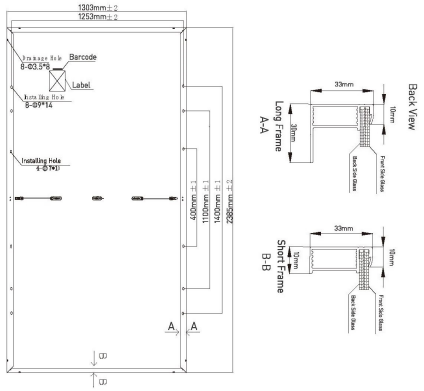
Module Type	PVS-695W-M12HDT	PVS-700W-M12HDT
Maximum Power (Pmp)	695W	700W
Open Circuit Voltage (Voc)	49.98V	50.13V
Short Circuit Current (Isc)	17.37A	17.43A
Maximum Power Voltage (Vmp)	41.95V	42.10V
Maximum Power Current (Imp)	16.57A	16.63A
Module Efficiency at STC(%)	22.37%	22.53%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	35A	
Power Tolerance	0~+3%	

Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	2385x1303x33 mm
Solar Cells	Mono 132cells
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2
Weight	38.7kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	33pcs/pallet, 594pcs/40HQ



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.240%/°C
Temperature Coefficient of Pmax	-0.260%/°C

Product warranty:
15 years guarantee on product material and workmanship
30 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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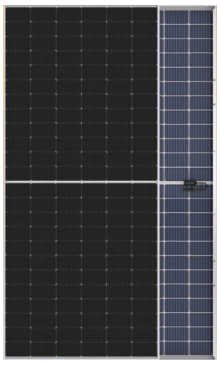
HJT MONOCRYSTALLINE SOLAR PANEL

PVS-720W/730W-M12HDT



Introduction:

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Key Features:

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- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
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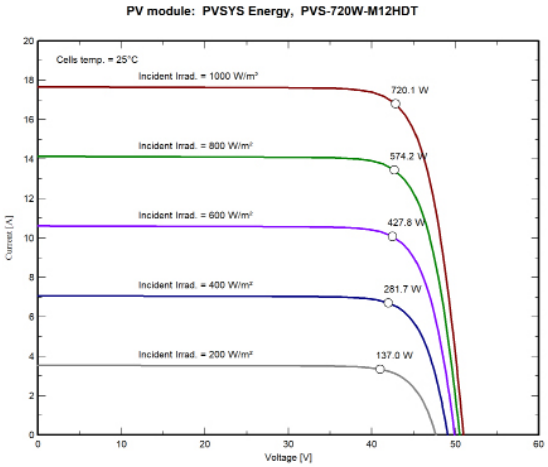
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

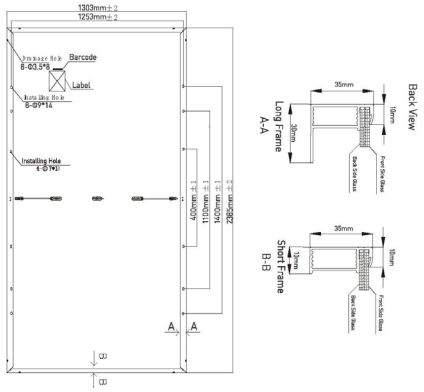
Module Type	PVS-720W-M12HDT	PVS-730W-M12HDT
Maximum Power (Pmp)	720W	730W
Open Circuit Voltage (Voc)	50.95V	51.01V
Short Circuit Current (Isc)	17.66A	17.78A
Maximum Power Voltage (Vmp)	42.70V	43.00V
Maximum Power Current (Imp)	16.86A	16.98A
Module Efficiency at STC(%)	23.17%	23.49%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	35A	
Power Tolerance	0~+3%	

Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	2385x1303x33 mm
Solar Cells	Mono 132cells
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2
Weight	38.7kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	33pcs/pallet, 594pcs/40HQ



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.240%/°C
Temperature Coefficient of Pmax	-0.260%/°C

Product warranty:

15 years guarantee on product material and workmanship
30 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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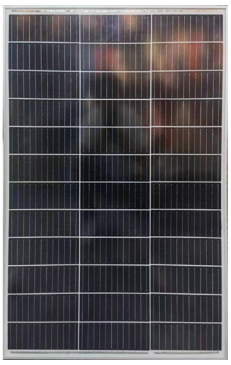
PERC MONOCRYSTALLINE SOLAR PANEL

PVS-100W/120W-36M



Introduction:

Redefined the high-efficiency module series by integrating 210mm silicon wafers with PERC cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

Key Features:

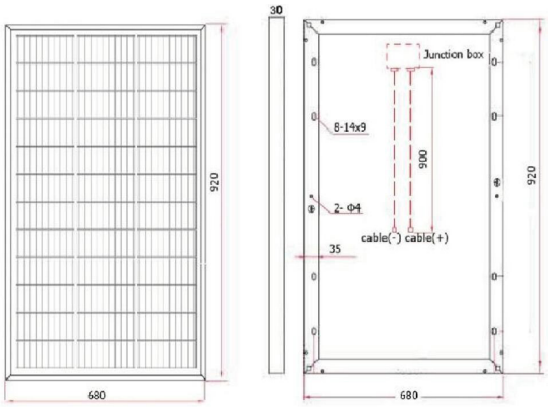
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

Module Type	PVS-100W-36M	PVS-105W-36M	PVS-110W-36M	PVS-115W-36M	PVS-120W-36M
Maximum Power (Pmp)	100W	105W	110W	115W	120W
Open Circuit Voltage (Voc)	23.14V	23.40V	23.66V	23.92V	24.18V
Short Circuit Current (Isc)	7.31A	7.60A	7.87A	8.13A	8.40A
Maximum Power Voltage (Vmp)	17.80V	18.00V	18.20V	18.4V	18.60V
Maximum Power Current (Imp)	5.62A	5.84A	6.05A	6.25A	6.46A
Module Efficiency at STC(%)	15.99%	16.78%	17.58%	18.38%	19.18%
Maximum System Voltage	1500VDC				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				

Mechanical Specifications:

External Dimensions	920x680x30 mm
Solar Cells	210mm*70mm (36cells)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP65 with bypass diodes
Output Cables	2.5mm2 900mm
Weight	8kg (Approximate)
Mechanical Load	Front side 5400Pa Rear side 2400Pa



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:

15 years guarantee on product material and workmanship
25 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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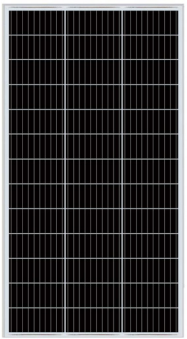
www.pv-system.net

PERC MONOCRYSTALLINE SOLAR PANEL

PVS-170W/190W-39M



Introduction:

Redefined the high-efficiency module series by integrating 210mm silicon wafers with PERC cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

Key Features:

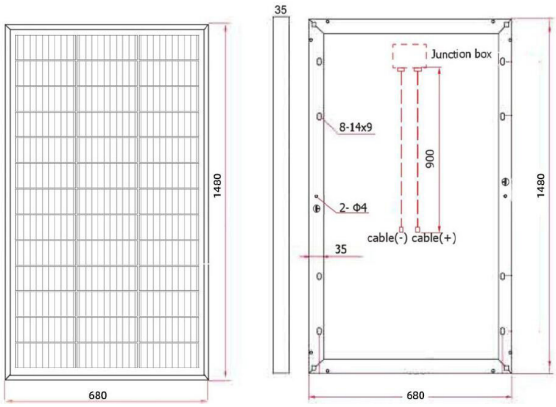
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

Module Type	PVS-170W-39M	PVS-175W-39M	PVS-180W-39M	PVS-185W-39M	PVS-190W-39M
Maximum Power (Pmp)	170W	175W	180W	185W	190W
Open Circuit Voltage (Voc)	27.89V	28.15V	28.40V	28.65V	28.90V
Short Circuit Current (Isc)	10.31A	10.52A	10.73A	10.92A	11.12A
Maximum Power Voltage (Vmp)	21.45V	21.65V	21.84V	22.04V	22.23V
Maximum Power Current (Imp)	7.93A	8.09A	8.25A	8.40A	8.55A
Cell Efficiency at STC(%)	19.80%	20.40%	21.00%	21.50%	22.10%
Maximum System Voltage	1500VDC				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				

Mechanical Specifications:

External Dimensions	1480x680x35 mm
Solar Cells	210mm*105mm (39cells)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67 with bypass diodes
Output Cables	2.5mm2 900mm
Weight	12kg (Approximate)
Mechanical Load	Front side 5400Pa Rear side 2400Pa



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:

15 years guarantee on product material and workmanship
25 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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www.pv-system.net

PERC MONOCRYSTALLINE SOLAR PANEL
PVS-210W/250W-64M

Introduction:
Redefined the high-efficiency module series by integrating 182mm silicon wafers with PERC cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

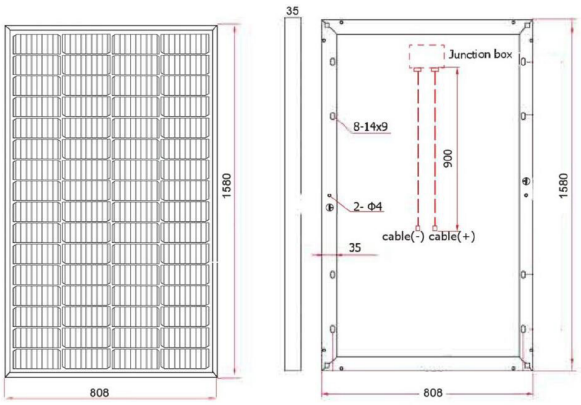
Key Features:
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

Module Type	PVS-210W-64M	PVS-220W-64M	PVS-230W-64M	PVS-240W-64M	PVS-250W-64M
Maximum Power (Pmp)	210W	220W	230W	240W	250W
Open Circuit Voltage (Voc)	42.47V	43.00V	43.58V	43.97V	44.80V
Short Circuit Current (Isc)	6.46A	6.55A	6.64A	6.73A	6.82A
Maximum Power Voltage (Vmp)	37.23V	38.02V	38.53V	39.04V	39.55V
Maximum Power Current (Imp)	5.65A	5.79A	6.01A	6.15A	6.32A
Cell Efficiency at STC(%)	20.10%	21.00%	21.90%	22.80%	23.70%
Maximum System Voltage	1500VDC				
Maximum Series Fuse Rating	25A				
Power Tolerance	0~+3%				

Mechanical Specifications:

External Dimensions	1580x808x35 mm
Solar Cells	182mm*91mm (64cells)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67 with bypass diodes
Output Cables	4mm2 900mm
Weight	16.5kg (Approximate)
Mechanical Load	Front side 5400Pa Rear side 2400Pa



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:
15 years guarantee on product material and workmanship
25 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Shanghai Pvsys New Energy Co.,Ltd
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www.pv-system.net

PERC MONOCRYSTALLINE SOLAR PANEL
PVS-230W/270W-32M

Introduction:
Redefined the high-efficiency module series by integrating 182mm silicon wafers with PERC cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

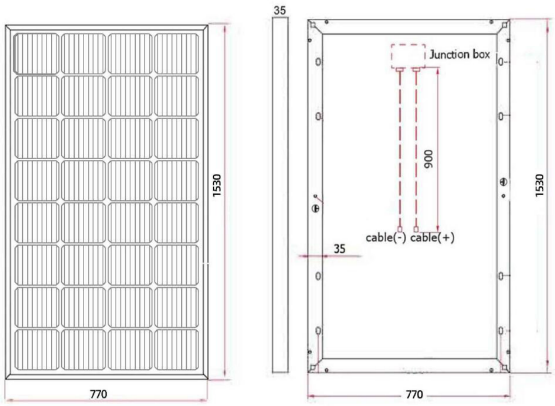
Key Features:
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projectsby reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

Module Type	PVS-230W-32M	PVS-240W-32M	PVS-250W-32M	PVS-260W-32M	PVS-270W-32M
Maximum Power (Pmp)	230W	240W	250W	260W	270W
Open Circuit Voltage (Voc)	24.60V	25.01V	25.43V	25.85V	26.26V
Short Circuit Current (Isc)	15.81A	16.22A	16.62A	17.00A	17.38A
Maximum Power Voltage (Vmp)	18.92V	19.24V	19.56V	19.88V	20.20V
Maximum Power Current (Imp)	12.16A	12.48A	12.79A	13.08A	13.37A
Cell Efficiency at STC(%)	21.70%	22.64%	23.59%	24.53%	25.47%
Maximum System Voltage	1500VDC				
Maximum Series Fuse Rating	20A				
Power Tolerance	0~+3%				

Mechanical Specifications:

External Dimensions	1530x770x35 mm
Solar Cells	182mm*182mm (32cells)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67 with bypass diodes
Output Cables	4mm2 900mm
Weight	15kg (Approximate)
Mechanical Load	Front side 5400Pa Rear side 2400Pa



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:
15 years guarantee on product material and workmanship
25 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

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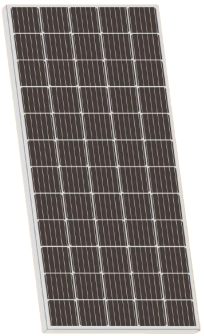
PERC MONOCRYSTALLINE SOLAR PANEL

PVS-310W/330W-60M



Introduction:

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Key Features:

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- Anti-PID
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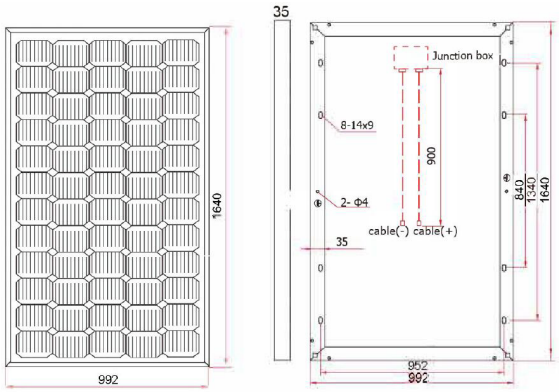
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

Module Type	PVS-310W-60M	PVS-315W-60M	PVS-320W-60M	PVS-325W-60M	PVS-330W-60M
Maximum Power (Pmp)	310W	315W	320W	325W	330W
Open Circuit Voltage (Voc)	43.36V	43.50V	43.74V	43.92V	44.20V
Short Circuit Current (Isc)	9.26A	9.39A	9.48A	9.59A	9.70A
Maximum Power Voltage (Vmp)	36.13V	36.25V	36.45V	36.60V	36.83V
Maximum Power Current (Imp)	8.58A	8.69A	8.78A	8.88A	8.96A
Cell Efficiency at STC(%)	21.90%	22.30%	22.60%	23.00%	23.30%
Maximum System Voltage	1500VDC				
Maximum Series Fuse Rating	20A				
Power Tolerance	0~+3%				

Mechanical Specifications:

External Dimensions	1640x992x35 mm
Solar Cells	182mm*130mm (60cells)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 with 3 bypass diodes
Output Cables	4mm2 900mm
Weight	18kg (Approximate)
Mechanical Load	Front side 5400Pa Rear side 2400Pa



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:

15 years guarantee on product material and workmanship
25 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

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Email: sales@pv-system.net
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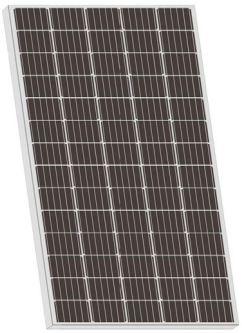
PERC MONOCRYSTALLINE SOLAR PANEL

PVS-360W/380W-70M



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- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
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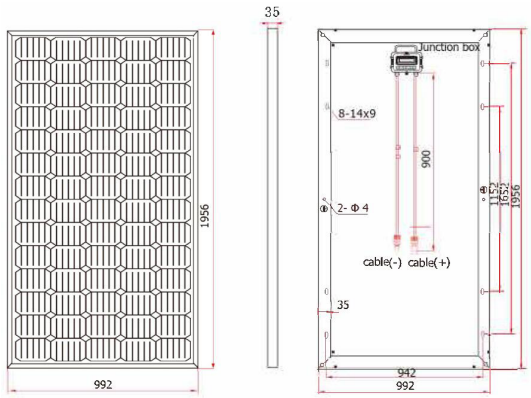
- Outstanding reliability proven by PVEL for stringent Environment condition:Sand , acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

Electrical Characteristics: STC:Irradiance 1000 W/m² module temperature 25 C AM=1.5

Module Type	PVS-360W-70M	PVS-365W-70M	PVS-370W-70M	PVS-375W-70M	PVS-380W-70M
Maximum Power (Pmp)	360W	365W	370W	375W	380W
Open Circuit Voltage (Voc)	50.35V	50.69V	50.92V	51.02V	51.12V
Short Circuit Current (Isc)	9.27A	9.33A	9.42A	9.53A	9.64A
Maximum Power Voltage (Vmp)	41.96V	42.25V	42.43V	42.52V	42.60V
Maximum Power Current (Imp)	8.58A	8.64A	8.73A	8.82A	8.93A
Cell Efficiency at STC(%)	21.90%	22.10%	22.40%	22.80%	23.10%
Maximum System Voltage	1500VDC				
Maximum Series Fuse Rating	20A				
Power Tolerance	0~+3%				

Mechanical Specifications:

External Dimensions	1956x992x35 mm
Solar Cells	182mm*130mm (70cells)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 with 3 bypass diodes
Output Cables	4mm2 900mm
Weight	22kg (Approximate)
Mechanical Load	Front side 5400Pa Rear side 2400Pa



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

Product warranty:

15 years guarantee on product material and workmanship
25 years guarantee on Liner power output

Quality Standard: IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C

Japan 700KW

Japan 300KW

Japan 224KW

Japan 76KW

Japan 13KW

Japan 100KW

Japan 250KW

Italy 900KW

Tahiti 6KW

New Zealand 10KW

Sweden 14.76KW

Sweden 15.58KW

Sweden 15.99KW

Sweden 85.28KW

Iraq 39.6KW-15.12kWh

Indonesia 5KW-10.24kWh

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