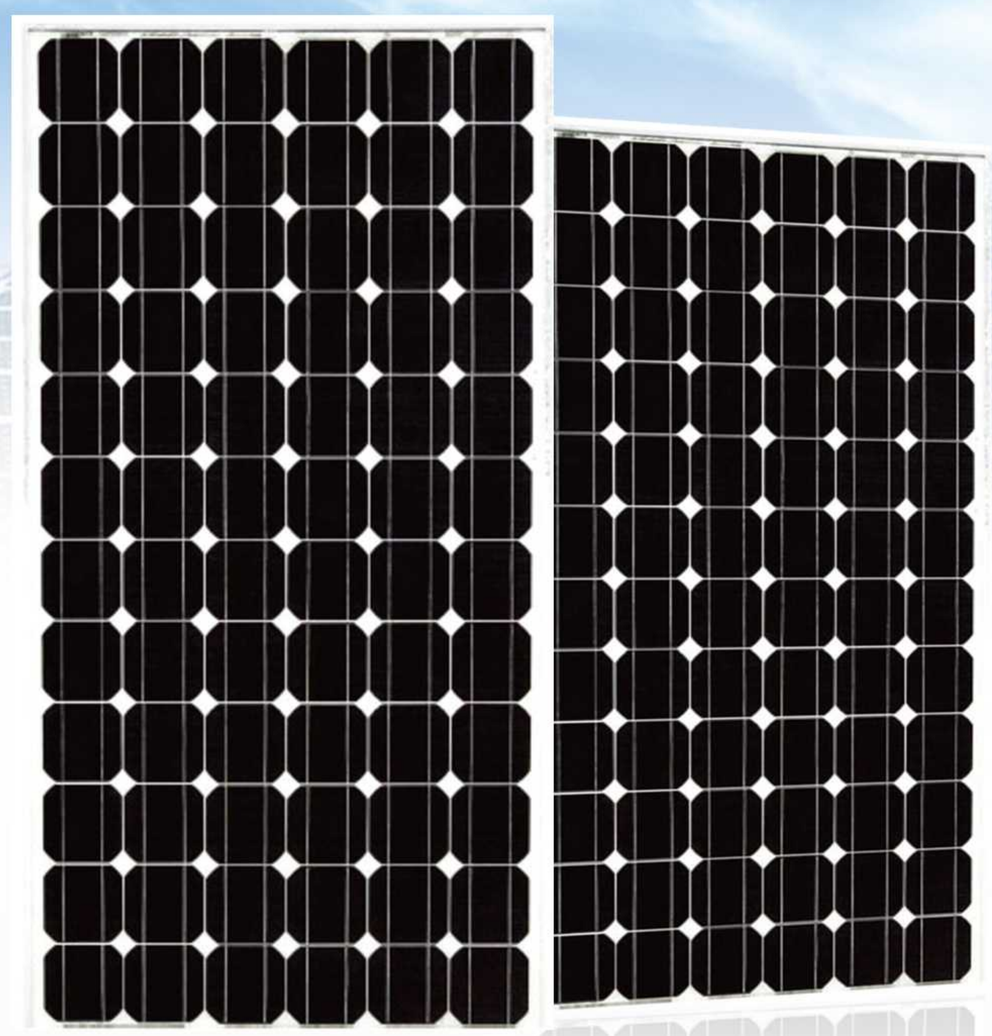

PS-M572 SERIES

PRODUCT DESCRIPTION

PS-M572 Series solar module is connected in series by 72 pieces of 125mm×125mm Mono Crystalline silicon cells. The product performance is produced according to IEC61215, IEC61730 international standard.PS-M572 Series solar module includes 165W, 170W, 175W, 180W, 185W, 190W, 195W. It can also be tailored to special requirements of customers.

MODULE CHARACTERISTICS

Manufactured according to international quality and Environment Management System (ISO9001, ISO14001)
High efficiency crystalline silicon solar cells
High transmission low iron tempered glass, strong mechanical resistance
Anti-ageing EVA and excellent anti-climate back sheet
Anodized aluminum frame improves load resistance capabilities for heavy wind loads.
Standard waterproof junction box
High endurance to different weather
Good and friendly package with less transportation and storage space.

Warranty

10 years limited manufacturing warranty
10 years for 90% of warranted minimum power
25 years for 80% of warranted minimum power

PROPSOLAR

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PROPSOLAR
SunShine makes better life

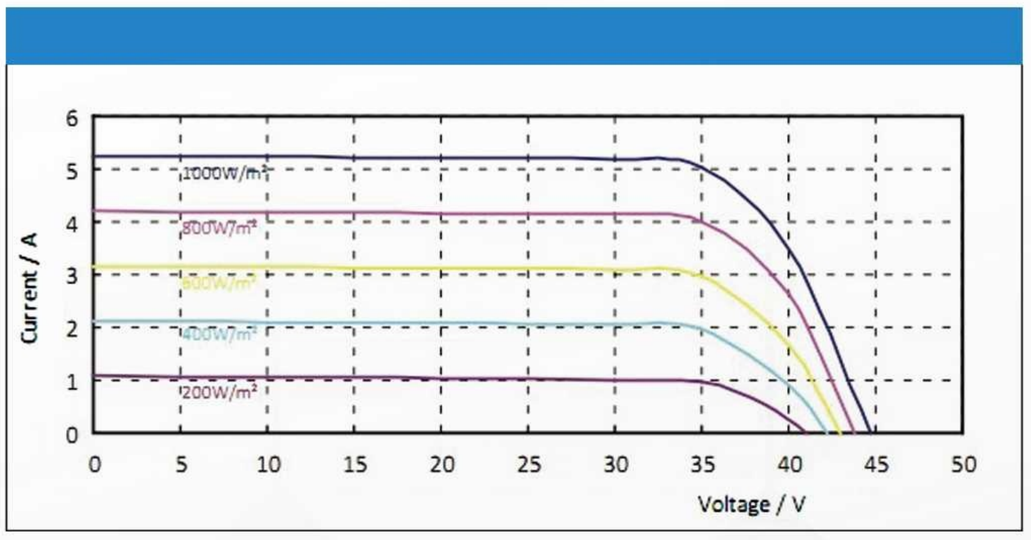
ELECTRIC CHARACTERISTICS

CELL TYPE	125 X 125 MONO SOLAR CELL						
ITEM	PS-M572165	PS-M572170	PS-M572175	PS-M572180	PS-M572185	PS-M572190	PS-M572195
Maximum Power(Wp)	169.9	174.9	179.9	184.9	189.9	194.9	199.9
Open circuit Voltage (Voc)	43.3	43.7	44.0	44.5	44.9	45.2	45.5
Short circuit Current (Isc)	5.05	5.25	5.40	5.45	5.55	5.60	5.80
Maximum Power Voltage (Vm)	35.3	35.5	35.6	36.0	36.3	36.5	36.7
Maximum Power Current (Im)	4.67	4.79	4.92	5.00	5.10	5.21	5.31
Cell Efficiency [%]	15.85	16.33	16.81	17.28	17.77	18.25	18.74
Module Efficiency [%]	12.92	13.32	13.71	14.10	14.49	14.88	15.27
Maximum Series Fuse	10A						
No. of Diode	3						
Maximum system voltage	1000 VDC						
Number of cells	72（6×12）						
Output tolerance	±3%						
Standard Test conditions	STC：AM 1.5，1000w/m^2 ，Module Temperature 25ºC						
Size of module	1580×808×35mm						
Installing hole	800×758、1300×758mm						
Weight per piece	16Kg						
Cable type and Length	4 mm^2，1000mm						
Type of Connector	Type IV						

TEMPERATURE CHARACTERISTICS

Type	PS-M572 Series
NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.5 % / °C
Temperature Coefficient of Voc	-0.34 % / °C
Temperature Coefficient of Isc	0.05 % / °C
Operating Temperature	-40°C to +85°C

IV CURVE AT DIFFERENT IRRADIANCE LEVELS

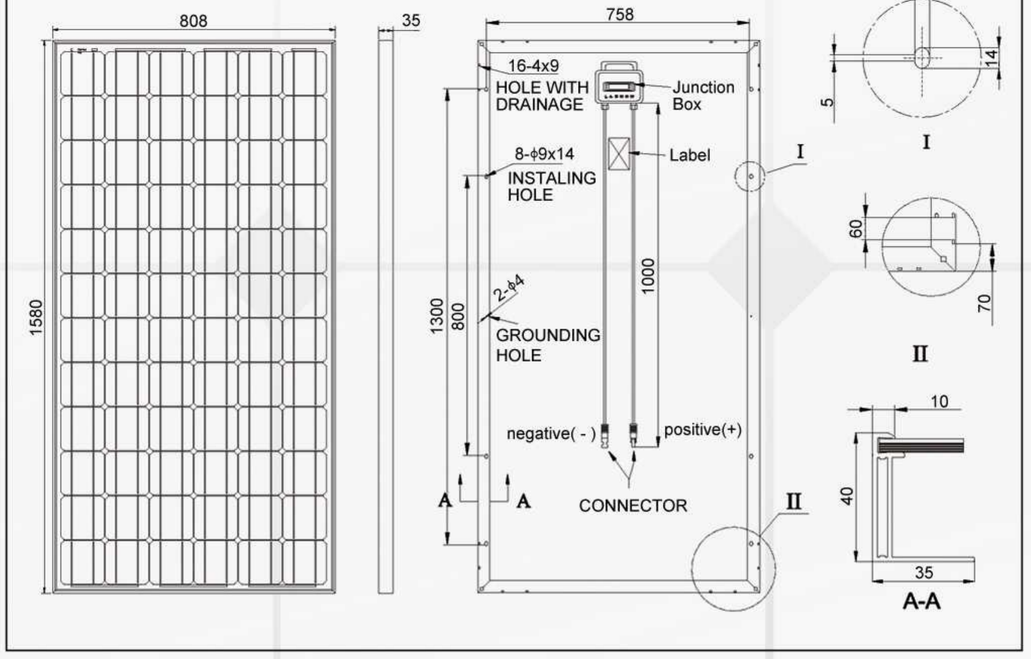


MECHANICAL CHARACTERISTICS

Type	PS-M572 Series
Solar Cells	monocrystalline cells 125mm
Front Cover	3.2mm thick, low iron tempered glass
Back Cover	TPT/DNP
Encapsulant	EVA
Frame	Anodized aluminium alloy, double wall
Diodes	Bypass diodes serviceable
Junction Box	IP65 rated
Connector	MC4 or compatible connector
Cables	Length: 1000 mm / Section: 4.0mm²
Dimension	1580×808×35mm
Weight	16Kg
Max.Load	5400Pa

DIMENSIONS

Front Side Backside



PACKING CONFIGURATION

Type	PS-M572 Series
Packing Configuration	28boxes / 40ft
Quantity / Pallet	28pcs / pallet / box
Loading Capacity	336pcs. / 20ft
	784pcs. / 40ft
	826pcs. / 40ft (H)