

Mono-Crystalline



Multi busbar technology decreases the distance between main bus bars and finger grid lines which reduces electric current loss and benefit to power increase.



Multi busbar technology adopts a special round welding ribbon which effectively avoid solar cells cracks and micro cracks.



Sun Earth East solar modules are guaranteed to work for more than 30 years so as to guarantee investor's profit.



The modules are proved that the power depreciation is less than 15% after 30 years working.

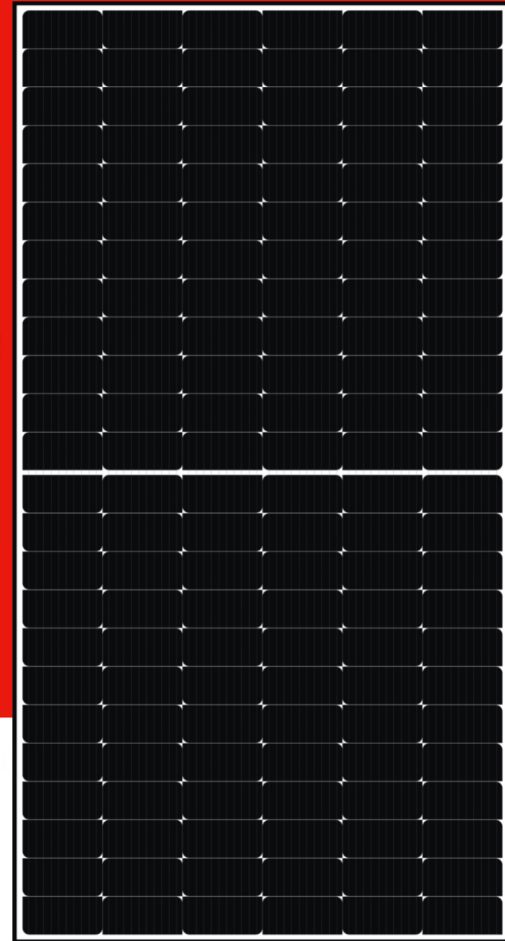
Superior loading capacity: snow pressure of 5400PA and wind pressure of 2400PA.



PID FREE.



Superior design: module efficiency is up to 22.65% with white EVA (the maximum output power of 144pcs series is up to 585W) , The power tolerance of module is 0/+5W.



M8 Hi-Eff Mono Half Cells

DXM8-72H 550W~585W



M8 Hi- Eff Mono Half Cells

DXM8-72H 550W~585W

SPECIFICATIONS

	STC						NOCT					
Rated Power (Pmax):	550W	560W	570W	575W	580W	585W	550W	560W	570W	575W	580W	585W
Maximum Power (Pmax):	550W	560W	570W	575W	580W	585W	410.59W	421.20W	428.72W	432.49W	436.25W	440.01W
Rated Voltage at Pmax (Vmp):	41.9V	42.1V	42.3V	42.4V	42.5V	42.6V	39.46V	39.57V	39.75V	39.85V	39.94V	40.04V
Rated Current at Pmax (Imp):	13.13A	13.30A	13.48A	13.56A	13.65A	13.73A	10.56A	10.66A	10.79A	10.86A	10.93A	11.00A
Open-circuit Voltage (Voc):	49.9V	50.5V	50.9V	51.1V	51.3V	51.5V	46.71V	47.92V	48.30V	48.49V	48.68V	48.87V
Short-circuit Current (Isc):	13.99A	14.11A	14.25A	14.32A	14.39A	14.46A	11.32A	11.40A	11.52A	11.57A	11.63A	11.69A
Module Efficiency (ηm):	21.3%	21.7%	22.1%	22.3%	22.5%	22.6%						
Maximum System Voltage:							1500VDC					
Application Class:							Class A					
Fire Resistance Class:							Class C					
Maximum Over-Current Rating:							25A					
Operating Temperature:							85% Rh, -40°C ~ +85°C					
Maximum Snow Loads (front):							5400Pa					
Maximum Wind Loads (front & back):							2400Pa					
Maximum Hailstone Impact (diameter @ 23m/s):							25mm					

- STC: Irradiance 1000W/m², Cell temperature 25°C, Air mass AM1.5 according to EN60904-3.
- NOCT: Irradiance 800W/m², Ambient temperature 20°C/s, wind Speed 1m/s.
- Average efficiency reduction of 4.5% at 200W/ m² according to EN60904-1.

Thermal Characteristics:

Nominal Operating Cell Temperature (NOCT): 45±2°C

Temperature Coefficient of Pmax (γ Pmp): -0.30%/°C

Temperature Coefficient of Voc (β Voc): -0.23%/°C

Temperature Coefficient of Isc (α Isc): +0.04%/°C

Construction Characteristics:

Front Cover : low-iron tempered glass/3.2mm

Cell: 144 pcs mono-crystalline 182×91mm

Anodized aluminum alloy Frame : silver black

Junction Box (protection degree): IP68

Cable (length/cross-sectional area): (+) : 400mm, (-) : 300mm or Customized Length/4mm²

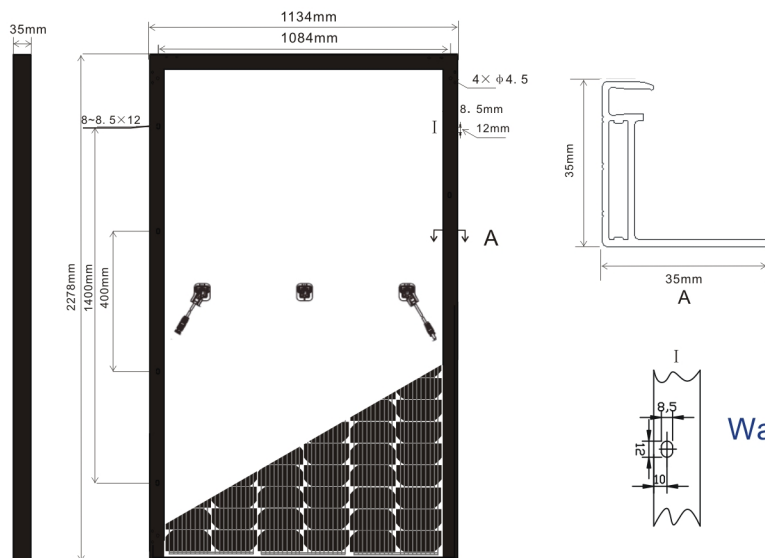
Connector (protection degree): IP68

Insulation Layer: white black

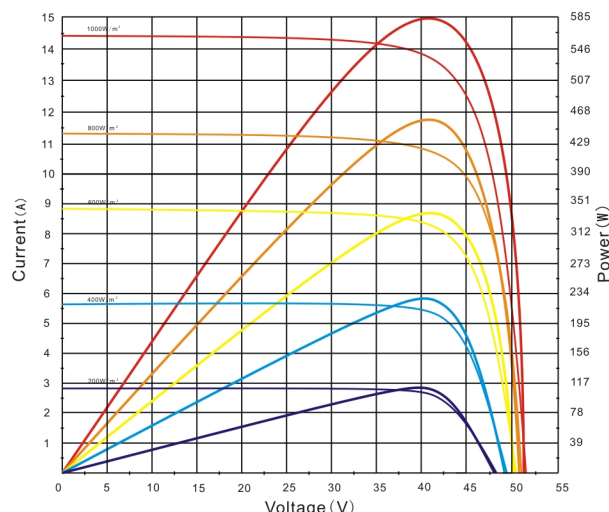
Module Dimension (L×W×H): 2278×1134×35mm

Weight: 28.0±3% kg

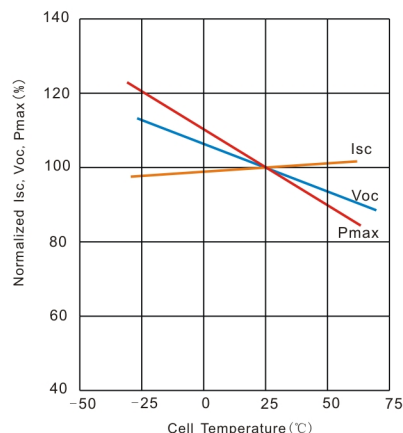
Dimensions (tolerance±2mm)



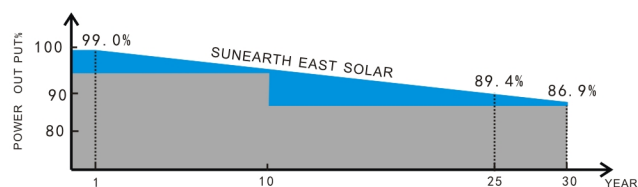
I-V (585W)



Temperature Dependence of Isc, Voc, Pmax



Warranty:



Please refer to Sun Earth East Solar Product Warranty for details.