

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.

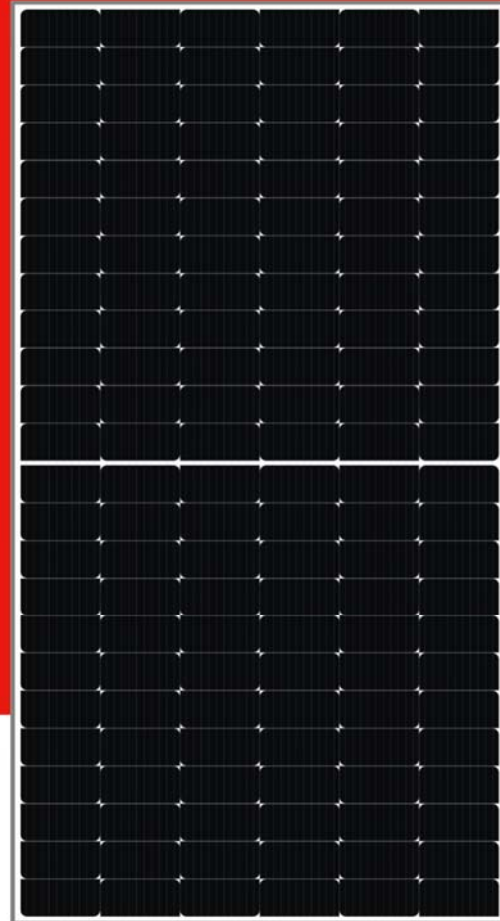
The modules are proved that the power depreciation is less than 18% after 30 years working.



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



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 540W~585W



M8 Hi- Eff Mono Half Cells

DXM8-72H 540W~585W

SPECIFICATIONS

	STC					NOCT				
	540W	550W	560W	570W	585W	540W	550W	560W	570W	585W
Rated Power (Pmax):	540W	550W	560W	570W	585W	403.13W	410.59W	421.20W	428.72W	440.01W
Maximum Power (Pmax):	540W	550W	560W	570W	585W	403.13W	410.59W	421.20W	428.72W	440.01W
Rated Voltage at Pmax (Vmp):	41.7V	41.9V	42.1V	42.3V	42.6V	39.27V	39.46V	39.57V	39.75V	40.04V
Rated Current at Pmax (Imp):	12.96A	13.13A	13.30A	13.48A	13.73A	10.41A	10.56A	10.66A	10.79A	11.00A
Open-circuit Voltage (Voc):	49.7V	49.9V	50.5V	50.9V	51.5V	46.52V	46.71V	47.92V	48.30V	48.87V
Short-circuit Current (Isc):	13.85A	13.99A	14.11A	14.25A	14.46A	11.20A	11.32A	11.40A	11.52A	11.69A
Module Efficiency (ηm):	20.9%	21.3%	21.7%	22.1%	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.
- Measurement tolerance ±3%.

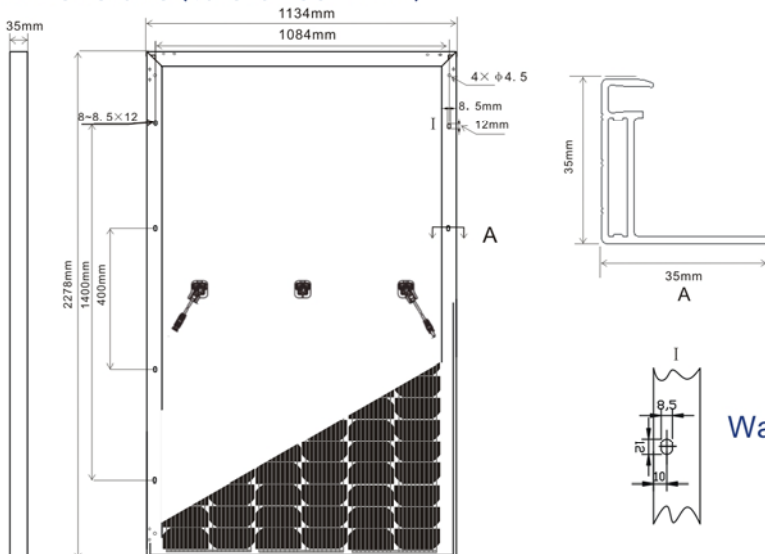
Thermal Characteristics:

Nominal Operating Cell Temperature (NOCT):	45±2°C
Temperature Coefficient of Pmax (γ Pmp):	-0.35%/°C
Temperature Coefficient of Voc (β Voc):	-0.275%/°C
Temperature Coefficient of Isc (α Isc):	+0.045%/°C

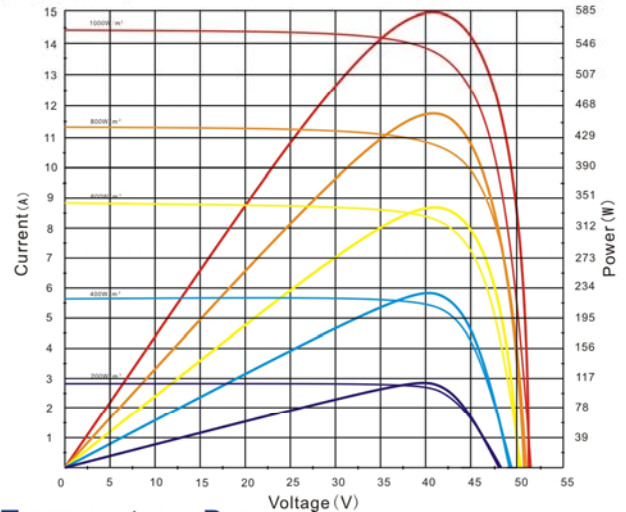
Construction Characteristics:

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/4mm ²
Connector (protection degree):	IP68
Module Dimension (L×W×H):	2278×1134×35mm
Weight:	28.0±3% kg
PV Connectors Make and Model:	Forsol/SIKE6
Country of manufacturer:	China

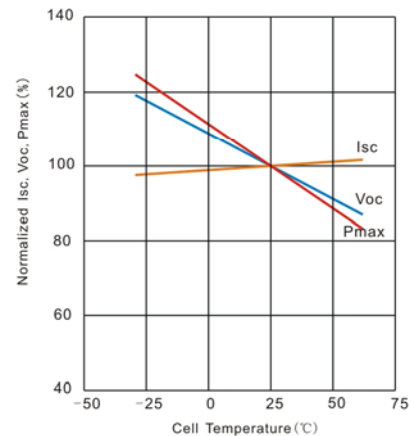
Dimensions (tolerance ±2mm)



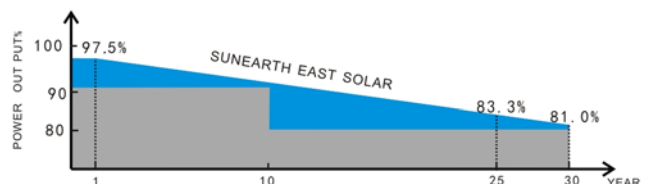
I-V (585W)



Temperature Dependence of Isc, Voc, Pmax



Warranty:



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

