

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.

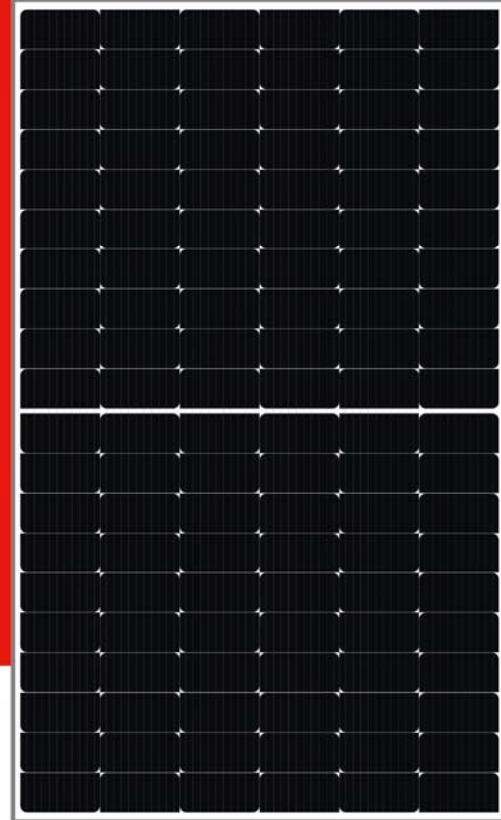
The modules are proved that the power depreciation is less than 18% after 30 years working.



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



Superior design: module efficiency is up to 22.42% with white EVA (the maximum output power of 120pcs series is up to 485W) , The power tolerance of module is 0/+5W.



M8 Hi-Eff Mono Half Cells



DXM8-60H 455W~485W



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SPECIFICATIONS

	STC				NOCT			
	455W	470W	475W	485W	455W	470W	475W	485W
Rated Power (Pmax):	455W	470W	475W	485W	339.67W	353.51W	357.27W	364.79W
Maximum Power (Pmax):	455W	470W	475W	485W	339.67W	353.51W	357.27W	364.79W
Rated Voltage at Pmax (Vmp):	34.8V	35.2V	35.3V	35.5V	32.78V	33.08V	33.18V	33.36V
Rated Current at Pmax (Imp):	13.07A	13.35A	13.46A	13.66A	10.51A	10.70A	10.78A	10.94A
Open-circuit Voltage (Voc):	41.5V	42.2V	42.4V	42.8V	38.84V	40.04V	40.23V	40.61V
Short-circuit Current (Isc):	13.92A	14.17A	14.26A	14.42A	11.26A	11.45A	11.52A	11.65A
Module Efficiency (η_m):	21.0%	21.7%	22.0%	22.4%				
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 $\pm 3\%$.

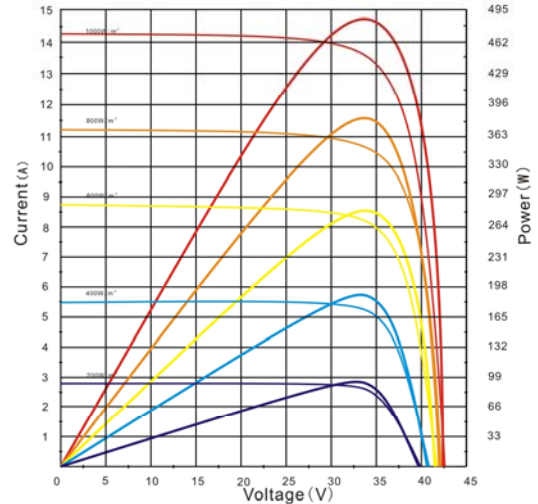
Thermal Characteristics:

Nominal Operating Cell Temperature (NOCT):	45 \pm 2°C
Temperature Coefficient of Pmax (γ_{Pmax}):	-0.35%/°C
Temperature Coefficient of Voc (β_{Voc}):	-0.275%/°C
Temperature Coefficient of Isc (α_{Isc}):	+0.045%/°C

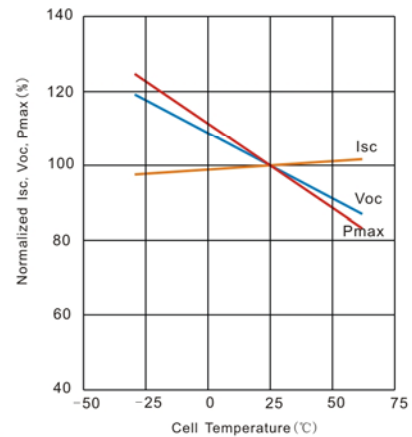
Construction Characteristics:

Front Cover:	low-iron tempered glass/3.2mm
Cell:	120 pcs mono-crystalline 182x91mm
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 (LxWxH):	1908x1134x30mm
Weight:	23.0 \pm 3% kg
PV Connectors Make and Model:	Forsol/SIKE6
Country of manufacturer:	China

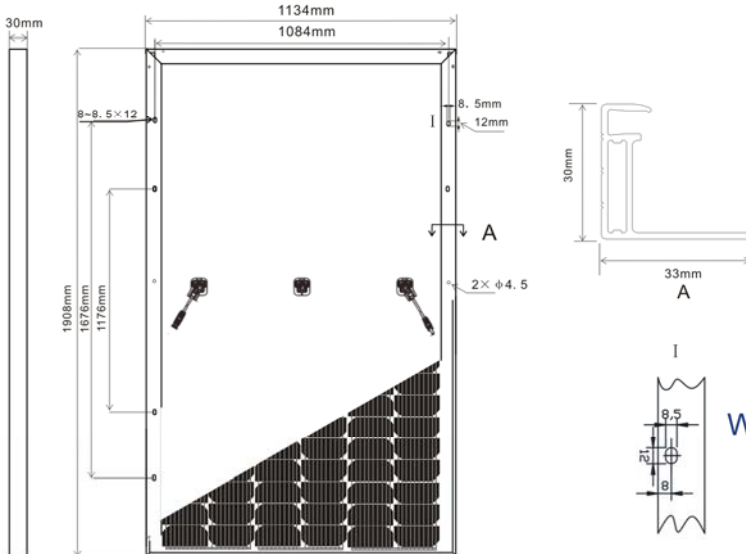
I-V (485W)



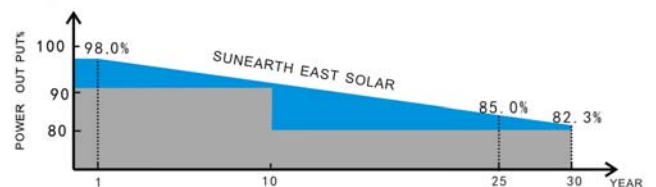
Temperature Dependence of Isc, Voc, Pmax



Dimensions (tolerance ± 2 mm)



Warranty:



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

