

Mono-Crystalline



9BB technology decreases the distance between main bus bars and finger grid lines which reduces electric current lose and benefit to power increase.



9BB 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 25 years so as to guarantee investor's profit. The modules are proved that the power depreciation is less than 20% after 25 years working.



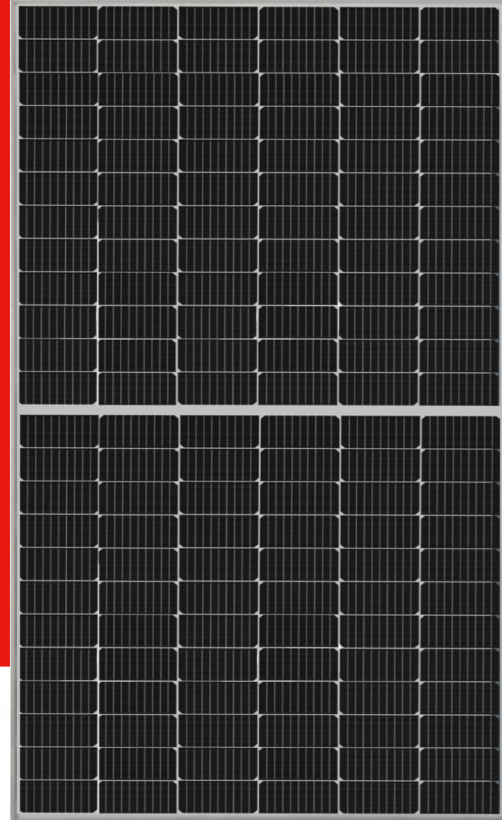
Superior loading capacity: snow pressure of 5400PA and wind pressure of 2400PA.



PID FREE.



Superior design: module efficiency is up to 20.60% with white EVA (the maximum output power of 144pcs series is up to 455W) , The power tolerance of module is 0/+5W.



M7 Hi-Eff Mono Half Cells

DXM7-72H 435W~455W



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SPECIFICATIONS

	STC					NOCT				
	435W	440W	445W	450W	455W	435W	440W	445W	450W	455W
Rated Power (Pmax):	435W	440W	445W	450W	455W	435W	440W	445W	450W	455W
Maximum Power (Pmax):	435W	440W	445W	450W	455W	321.25W	324.94W	328.63W	332.33W	339.67W
Rated Voltage at Pmax (Vmp):	41.0V	41.1V	41.2V	41.3V	41.4V	38.12V	38.21V	38.31V	38.40V	38.99V
Rated Current at Pmax (Imp):	10.61A	10.71A	10.80A	10.90A	10.99A	8.53A	8.61A	8.69A	8.76A	8.84A
Open-circuit Voltage (Voc):	49.5V	49.6V	49.7V	49.8V	49.9V	46.09V	46.18V	46.27V	46.37V	46.71V
Short-circuit Current (Isc):	11.16A	11.23A	11.33A	11.40A	11.46A	9.04A	9.09A	9.15A	9.22A	9.27A
Module Efficiency (ηm):	19.7%	19.9%	20.1%	20.4%	20.6%					
Maximum System Voltage:	1500VDC									
Application Class:	Class A									
Fire Resistance Class:	Class C									
Maximum Over-Current Rating:	20A									
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): -0.4%/°C

Temperature Coefficient of Voc (β Voc): -0.3%/°C

Temperature Coefficient of Isc (α Isc): +0.05%/°C

Construction Characteristics:

Front Cover: low-iron tempered glass/3.2mm

Cell: 144 pcs mono-crystalline 166×83mm

Anodized aluminum alloy Frame: silver black

Junction Box (protection degree): IP68

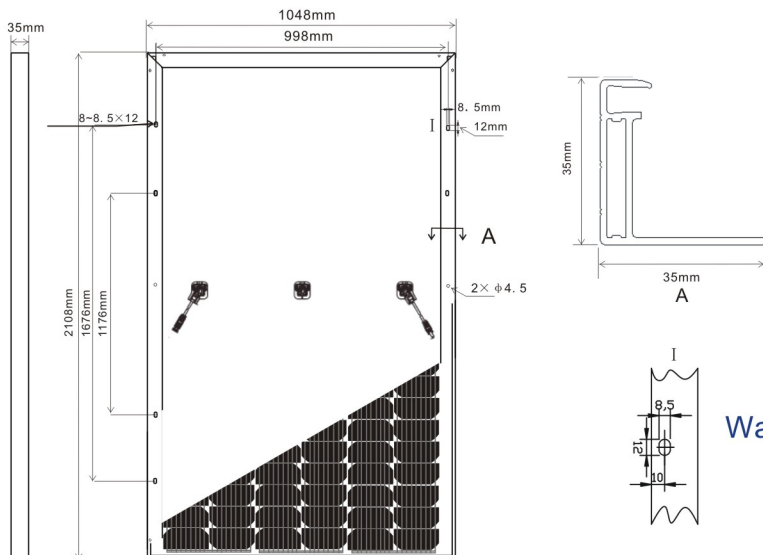
Cable (length/cross-sectional area): (+): 400mm, (-): 300mm or Customized Length/4mm²

Connector (protection degree): IP68

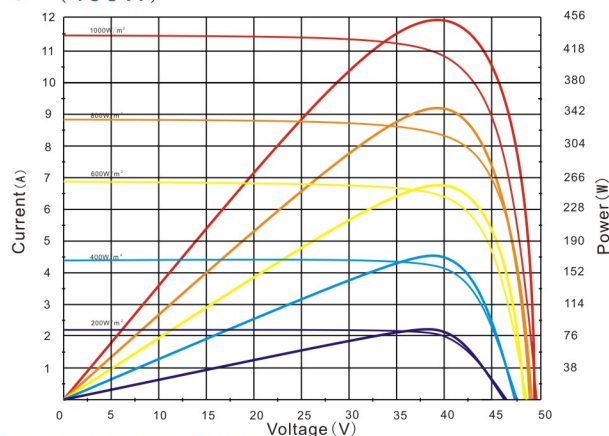
Module Dimension (L×W×H): 2108×1048×35mm

Weight: 24.0±3% kg

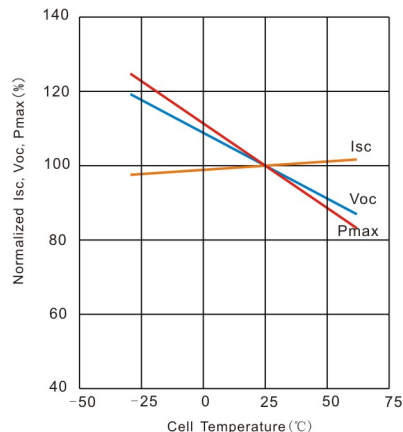
Dimensions (tolerance ±2mm)



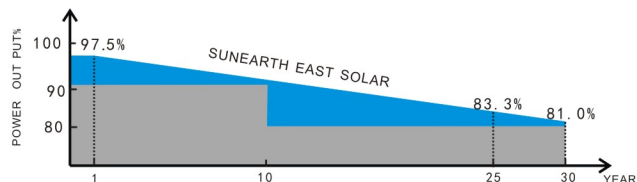
I-V (455W)



Temperature Dependence of Isc, Voc, Pmax



Warranty:



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