

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.

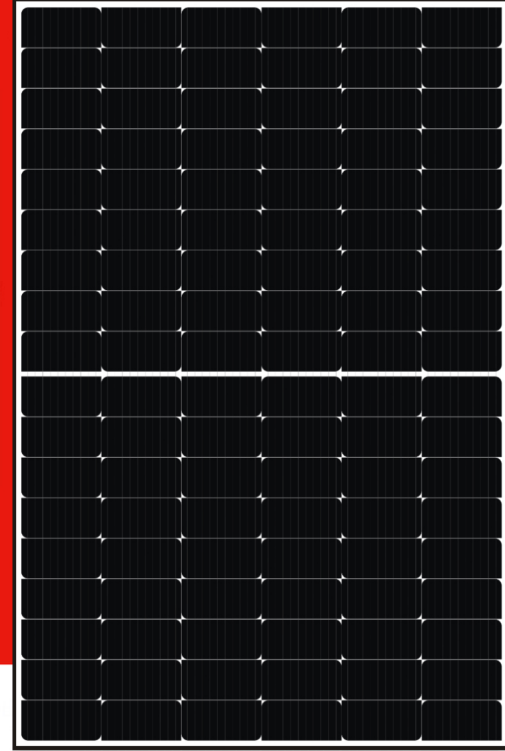


Superior loading capacity: snow pressure of 5400PA and wind pressure of 2400PA.



PID FREE.

Superior design: module efficiency is up to 22.28% with white EVA (the maximum output power of 108pcs series is up to 435W), The power tolerance of module is 0/+5W.



M8 Hi-Eff Mono Half Cells

DXM8-54H 410W~435W



M8 Hi- Eff Mono Half Cells

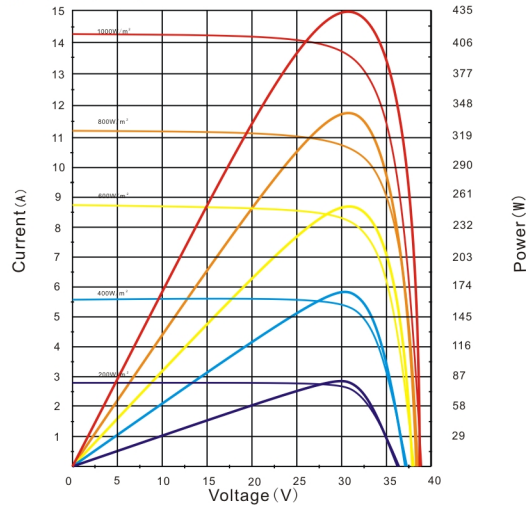
DXM8-54H 410W~435W

SPECIFICATIONS

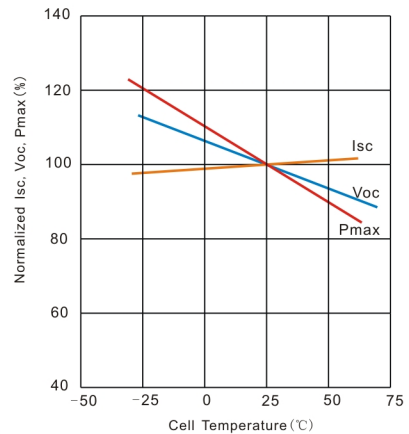
	STC						NOCT					
Rated Power (Pmax):	410W	415W	420W	425W	430W	435W	410W	415W	420W	425W	430W	435W
Maximum Power (Pmax):	410W	415W	420W	425W	430W	435W	308.38W	312.14W	315.90W	319.66W	323.42W	327.18W
Rated Voltage at Pmax (Vmp):	31.3V	31.4V	31.6V	31.7V	31.8V	31.9V	29.42V	29.51V	29.70V	29.79V	29.89V	29.98V
Rated Current at Pmax (Imp):	13.10A	13.22A	13.29A	13.41A	13.52A	13.64A	10.49A	10.59A	10.65A	10.74A	10.83A	10.92A
Open-circuit Voltage (Voc):	37.4V	37.5V	37.9V	38.1V	38.3V	38.5V	35.49V	35.58V	35.96V	36.15V	36.34V	36.53V
Short-circuit Current (Isc):	13.92A	13.99A	14.10A	14.20A	14.29A	14.38A	11.25A	11.31A	11.40A	11.48A	11.55A	11.62A
Module Efficiency (ηm):	21.0%	21.3%	21.5%	21.8%	22.0%	22.3%						
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.

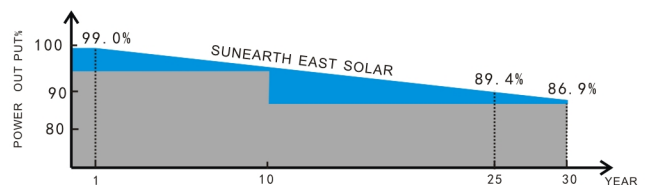
I-V (435W)



Temperature Dependence of Isc, Voc, Pmax



Warranty:



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

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:	108 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):	1722×1134×30mm
Weight:	21.0±3% kg

Dimensions (tolerance ±2mm)

