

## 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.

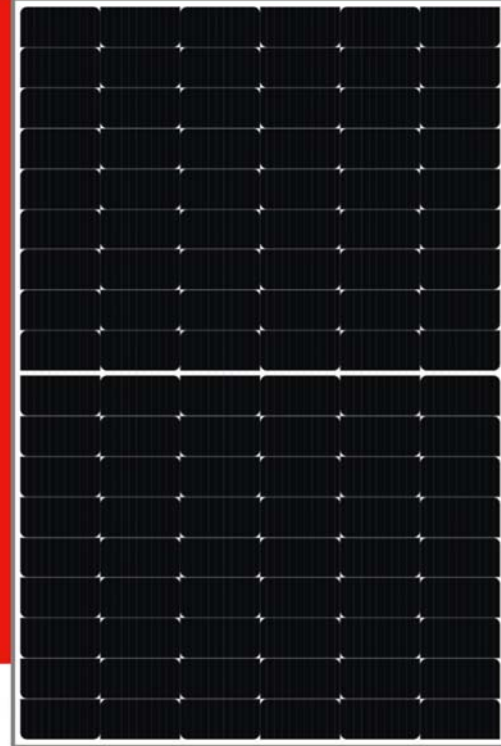
The modules are proved that the power depreciation is less than 18% after 30 years working.



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



Superior design: module efficiency is up to 22.28% 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			
	410W	415W	425W	435W	410W	415W	425W	435W
Rated Power (Pmax):	410W	415W	425W	435W	308.38W	312.14W	319.66W	327.18W
Maximum Power (Pmax):	410W	415W	425W	435W	308.38W	312.14W	319.66W	327.18W
Rated Voltage at Pmax (Vmp):	31.3V	31.4V	31.7V	31.9V	29.42V	29.51V	29.79V	29.98V
Rated Current at Pmax (Imp):	13.10A	13.22A	13.41A	13.64A	10.49A	10.59A	10.74A	10.92A
Open-circuit Voltage (Voc):	37.4V	37.5V	38.1V	38.5V	35.49V	35.58V	36.15V	36.53V
Short-circuit Current (Isc):	13.92A	13.99A	14.20A	14.38A	11.25A	11.31A	11.48A	11.62A
Module Efficiency ( $\eta_m$ ):	21.0%	21.3%	21.8%	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/m<sup>2</sup>, Cell temperature 25°C, Air mass AM1.5 according to EN60904-3.
- NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C/s, wind Speed 1m/s.
- Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN60904-1.
- Measurement tolerance  $\pm 3\%$ .

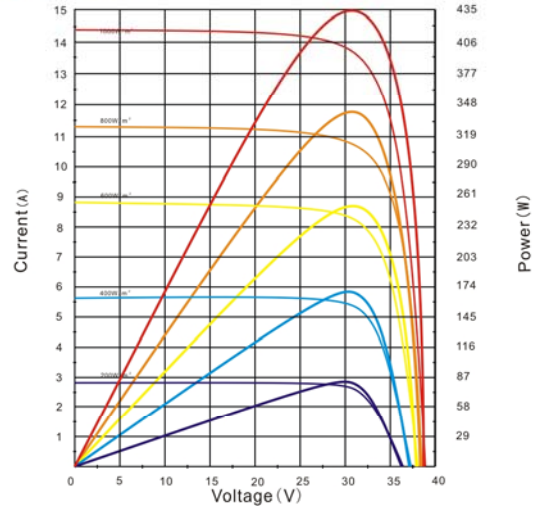
### Thermal Characteristics:

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

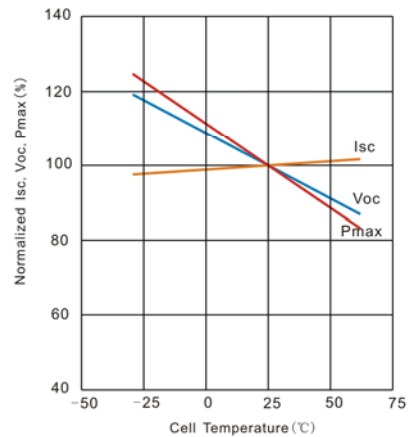
### Construction Characteristics:

Front Cover:	low-iron tempered glass/3.2mm
Cell:	108 pcs mono-crystalline 182 $\times$ 91mm
Anodized aluminum alloy Frame:	■ silver ■ black
Junction Box (protection degree):	IP68
Cable (length/cross-sectional area):	(+) : 400mm, (-) : 300mm or Customized Length/4mm <sup>2</sup>
Connector (protection degree):	IP68
Module Dimension (L $\times$ W $\times$ H):	1722 $\times$ 1134 $\times$ 30mm
Weight:	21.0 $\pm$ 3% kg
PV Connectors Make and Model:	Forsol/SIKE6
Country of manufacturer:	China

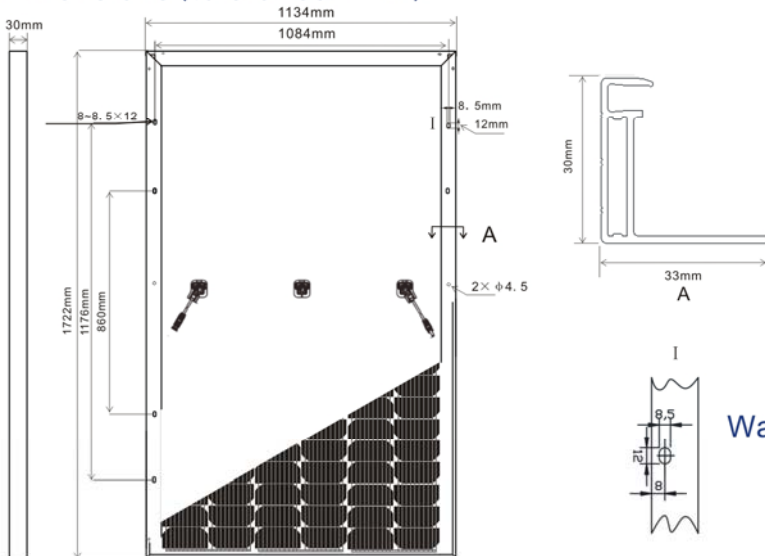
### I-V (435W)



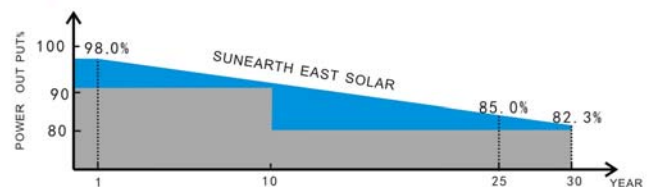
### Temperature Dependence of Isc, Voc, Pmax



### Dimensions (tolerance $\pm 2$ mm)



### Warranty:



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

