

## Mono-Crystalline



10BB technology decreases the distance between main bus bars and finger grid lines which reduces electric current lose and benefit to power increase.



10BB 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.



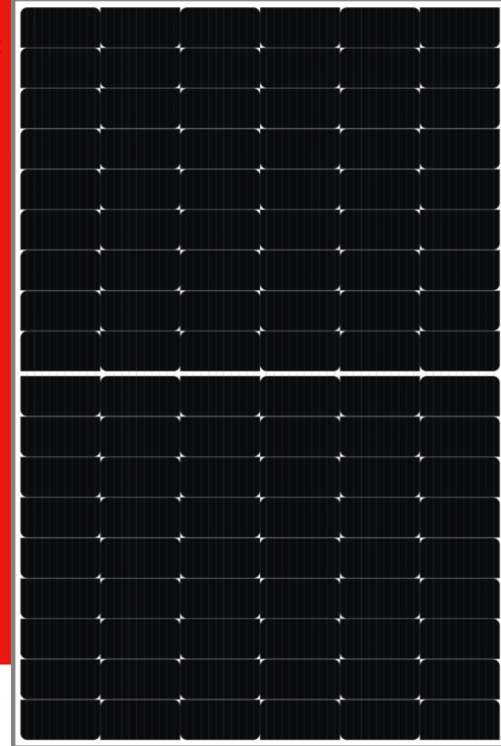
Superior loading capacity: snow pressure of 5400PA and wind pressure of 2400PA.



PID FREE.



Superior design: module efficiency is up to 21.25% with white EVA ( the maximum output power of 108pcs series is up to 415W ) , The power tolerance of module is 0/+5W.



## M8 Hi-Eff Mono Half Cells

**DXM8-54H 400W~415W**



# M8 Hi- Eff Mono Half Cells

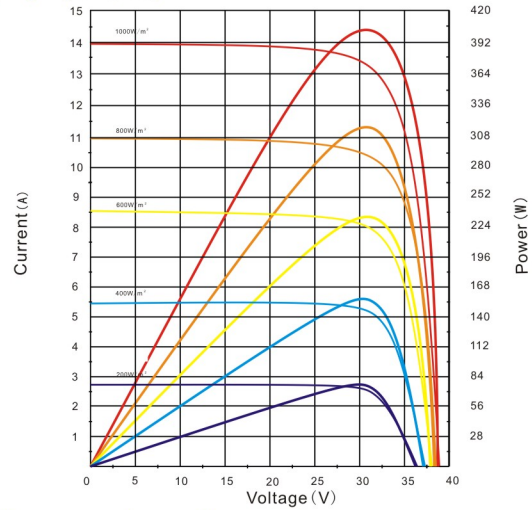
## DXM8-54H 400W~415W

### SPECIFICATIONS

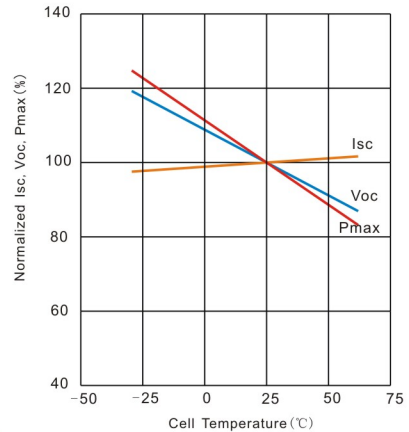
	STC				NOCT			
	400W	405W	410W	415W	400W	405W	410W	415W
Rated Power (Pmax):	400W	405W	410W	415W	302.59W	306.38W	310.16W	313.94W
Maximum Power (Pmax):	400W	405W	410W	415W	28.69V	28.81V	28.88V	28.97V
Rated Voltage at Pmax (Vmp):	31.1V	31.2V	31.3V	31.4V	10.54A	10.63A	10.74A	10.83A
Rated Current at Pmax (Imp):	12.86A	12.97A	13.10A	13.22A	34.79V	34.85V	34.98V	35.07V
Open-circuit Voltage (Voc):	37.2V	37.3V	37.4V	37.5V	11.21A	11.26A	11.32A	11.38A
Short-circuit Current (Isc):	13.78A	13.85A	13.92A	13.99A				
Module Efficiency (ηm):	20.5%	20.7%	21.0%	21.3%				
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/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.

### I-V (415W)



### Temperature Dependence of Isc, Voc, Pmax



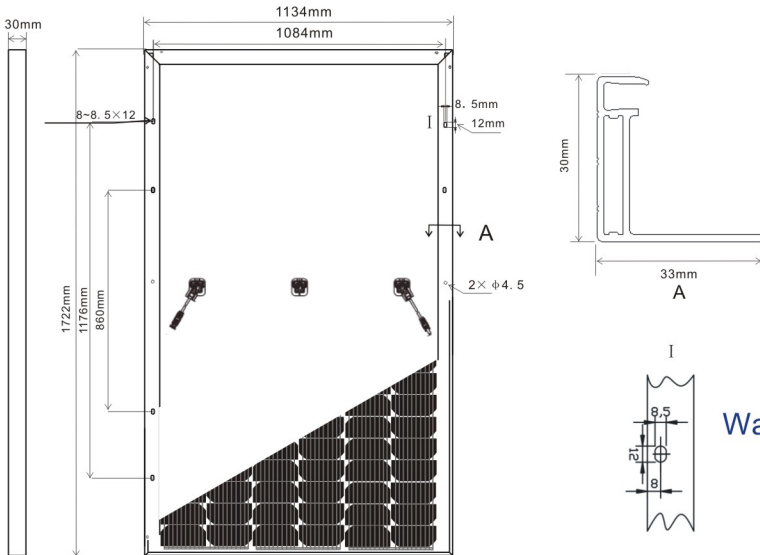
### Thermal Characteristics:

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

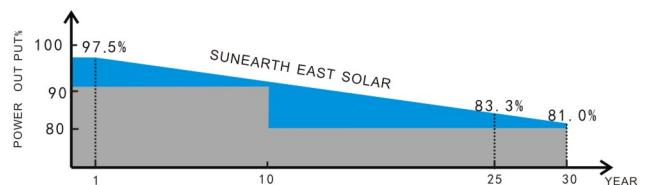
### Construction Characteristics:

Front Cover :	low-iron tempered glass/3.2mm
Cell:	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 <sup>2</sup>
Connector (protection degree):	IP68
Module Dimension (L×W×H):	1722×1134×30mm
Weight:	21.0±3% kg

### Dimensions (tolerance ±2mm)



### Warranty:



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

