

## 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.



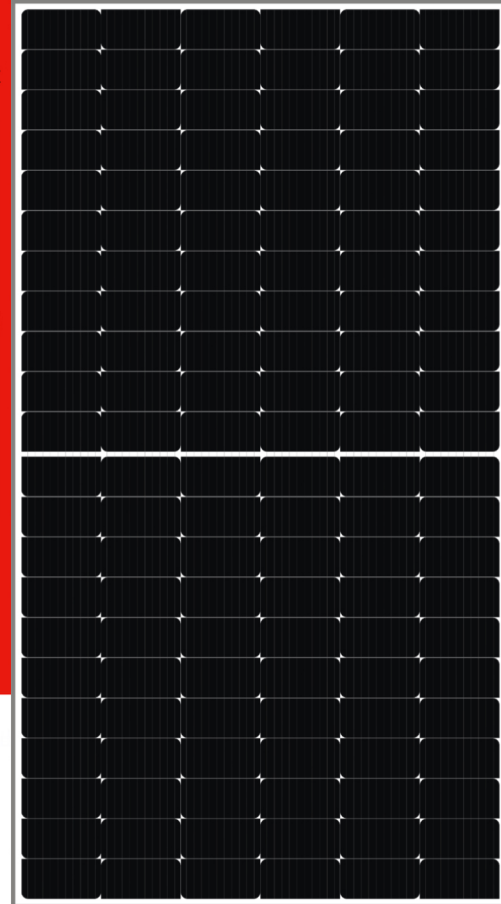
Superior loading capacity: snow pressure of 5400PA and wind pressure of 2400PA.



PID FREE.



Superior design: module efficiency is up to 21.27% with white EVA ( the maximum output power of 132pcs series is up to 505W ) , The power tolerance of module is 0/+5W.



## M8 Hi-Eff Mono Half Cells

**DXM8-66H 490W~505W**



# M8 Hi- Eff Mono Half Cells

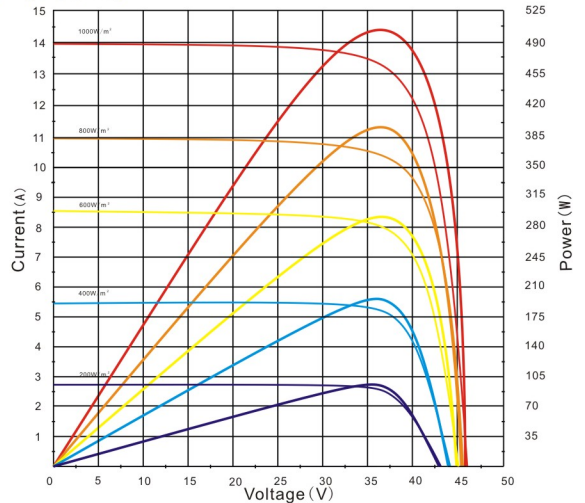
## DXM8-66H 490W~505W

### SPECIFICATIONS

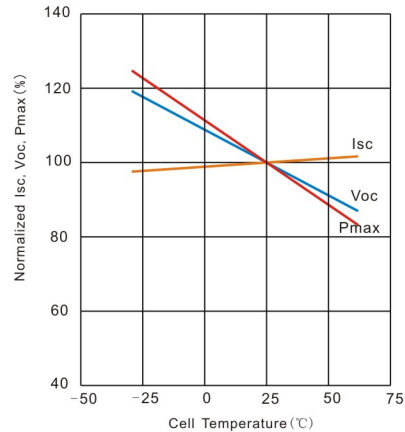
	STC				NOCT			
	490W	495W	500W	505W	490W	495W	500W	505W
Rated Power (Pmax):	490W	495W	500W	505W	365.80W	369.53W	373.26W	377.00W
Maximum Power (Pmax):	490W	495W	500W	505W	365.80W	369.53W	373.26W	377.00W
Rated Voltage at Pmax (Vmp):	38.1V	38.2V	38.3V	38.4V	35.88V	35.98V	36.07V	36.17V
Rated Current at Pmax (Imp):	12.86A	12.96A	13.05A	13.15A	10.34A	10.42A	10.50A	10.58A
Open-circuit Voltage (Voc):	45.5V	45.6V	45.7V	45.8V	42.59V	42.68V	42.77V	42.87V
Short-circuit Current (Isc):	13.77A	13.85A	13.92A	13.99A	11.14A	11.20A	11.26A	11.32A
Module Efficiency (ηm):	20.6%	20.8%	21.1%	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 (505W)



### Temperature Dependence of Isc, Voc, Pmax



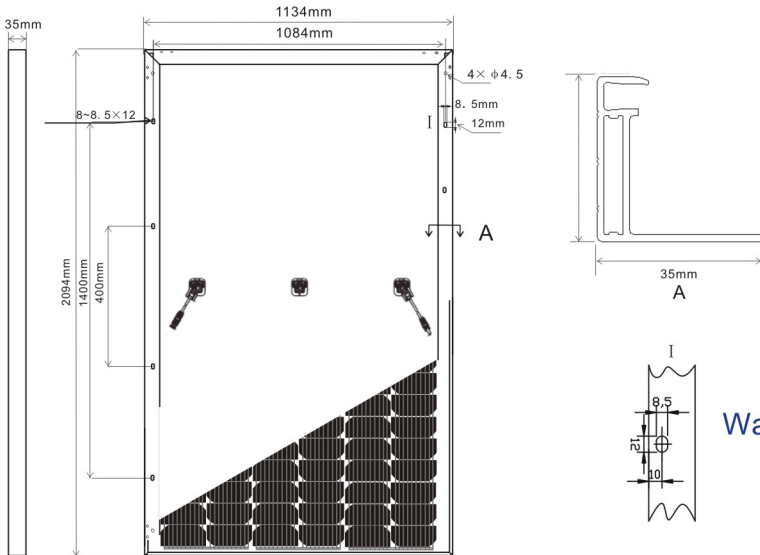
### Thermal Characteristics:

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

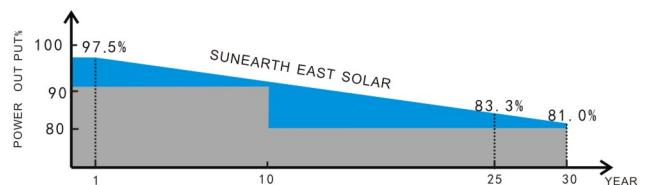
### Construction Characteristics:

Front Cover :	low-iron tempered glass/3.2mm
Cell:	132 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):	2094×1134×35mm
Weight:	25.5±3% kg

### Dimensions (tolerance ±2mm)



### Warranty:



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

