

Mono-Crystalline



Superior products durability and reliability:

To avoid micro cracks, snail trails and corrosion caused by moisture, dust, salt mist and acid-base.



Low maintenance requirements and superior

fire-protection rating.



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 15.21% with white EVA (the maximum output power of 36pcs series is up to 100W) , particularly suitable for light demand projects.



M5 Hi-Eff Mono



DXM5-36P 90W~100W



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SPECIFICATIONS

	STC			NOCT		
	90W	95W	100W	90W	95W	100W
Rated Power (Pmax):	90W	95W	100W	90W	95W	100W
Maximum Power (Pmax):	90W	95W	100W	66.47W	70.16W	73.85W
Rated Voltage at Pmax (Vmp):	18.1V	18.3V	18.5V	16.83V	17.02V	17.20V
Rated Current at Pmax (Imp):	4.97A	5.19A	5.41A	4.00A	4.17A	4.35A
Open-circuit Voltage (Voc):	22.3V	22.5V	22.7V	20.76V	20.95V	21.13V
Short-circuit Current (Isc):	5.46A	5.61A	5.75A	4.42A	4.54A	4.66A
Module Efficiency (ηm):	13.7%	14.5%	15.2%			
Maximum System Voltage:	1000VDC					
Application Class:	Class A					
Fire Resistance Class:	Class C					
Maximum Over-Current Rating:	10A					
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.

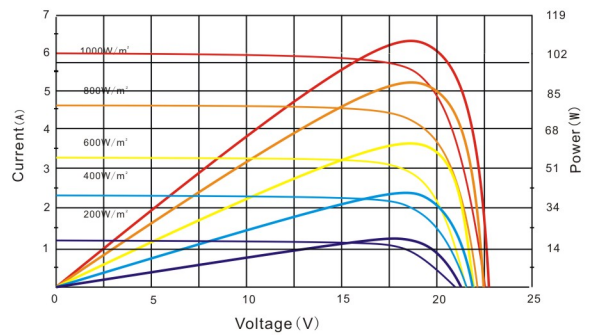
Thermal Characteristics:

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

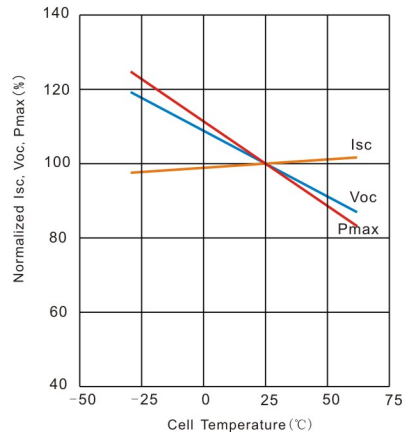
Construction Characteristics:

Front Cover:	low-iron tempered glass/3.2mm
Cell:	36 pcs mono-crystalline 125×125mm
Anodized aluminum alloy Frame:	■ silver □ black
Junction Box (protection degree):	IP67
Module Dimension (L×W×H):	1195×550×35mm
Weight:	7.8±3% kg

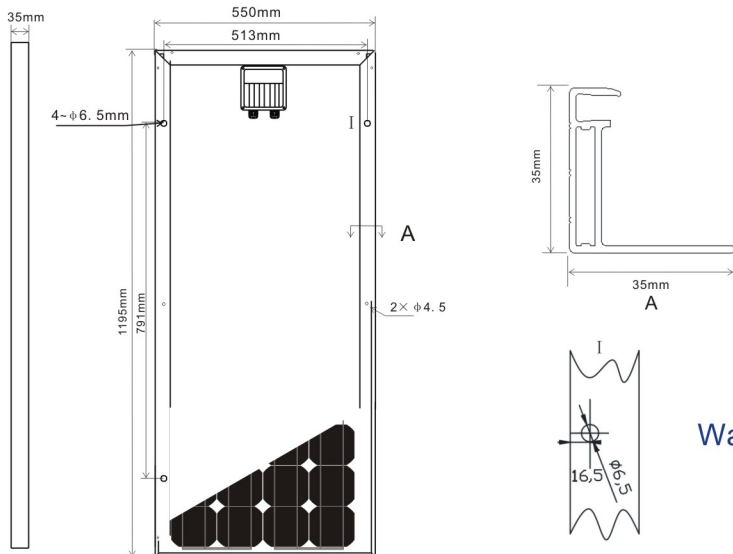
I-V (100W)



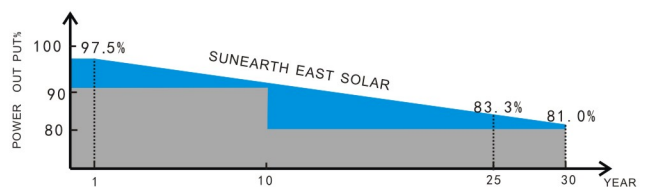
Temperature Dependence of Isc, Voc, Pmax



Dimensions (tolerance ±2mm)



Warranty:



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

