

Poly-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 17.80% with white EVA (the maximum output power of 60pcs series is up to 290W) , particularly suitable for light demand projects.



P6 Hi-Eff Poly

DXP6-60P 275W~290W



DXP6-60P 275W~290W

SPECIFICATIONS

	STC				NOCT			
Rated Power (Pmax):	275W	280W	285W	290W	275W	280W	285W	290W
Maximum Power (Pmax):	275W	280W	285W	290W	203.25W	206.95W	210.65W	214.34W
Rated Voltage at Pmax (Vmp):	32.1V	32.4V	32.6V	32.9V	29.85V	30.13V	30.31V	30.59V
Rated Current at Pmax (Imp):	8.57A	8.64A	8.74A	8.81A	6.89A	6.95A	7.03A	7.09A
Open-circuit Voltage (Voc):	38.7V	39.0V	39.3V	39.6V	35.95V	36.23V	36.51V	36.79V
Short-circuit Current (Isc):	9.19A	9.27A	9.36A	9.44A	7.46A	7.52A	7.59A	7.66A
Module Efficiency (η_m):	16.9%	17.2%	17.5%	17.8%				
Maximum System Voltage:	1000VDC							
Application Class:	Class A							
Fire Resistance Class:	Class C							
Maximum Over-Current Rating:	16A							
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}): -0.41%/°C

Temperature Coefficient of Voc (β_{Voc}): -0.31%/°C

Temperature Coefficient of Isc (α_{Isc}): +0.06%/°C

Construction Characteristics:

Front Cover: low-iron tempered glass/3.2mm

Cell: 60 pcs poly-crystalline 156×156mm

Anodized aluminum alloy Frame: ■ silver □ black

Junction Box (protection degree): IP67

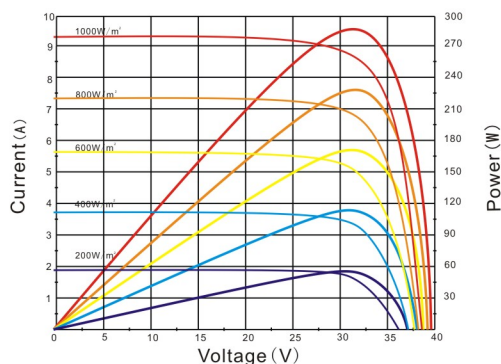
Cable (length/cross-sectional area): 1000mm/4mm²

Connector (protection degree): IP67

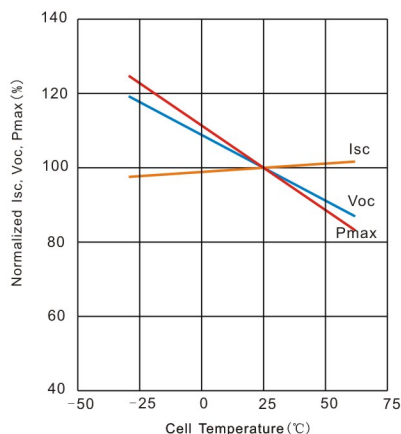
Module Dimension (L×W×H): 1642×992×35mm

Weight: 18.0±3% kg

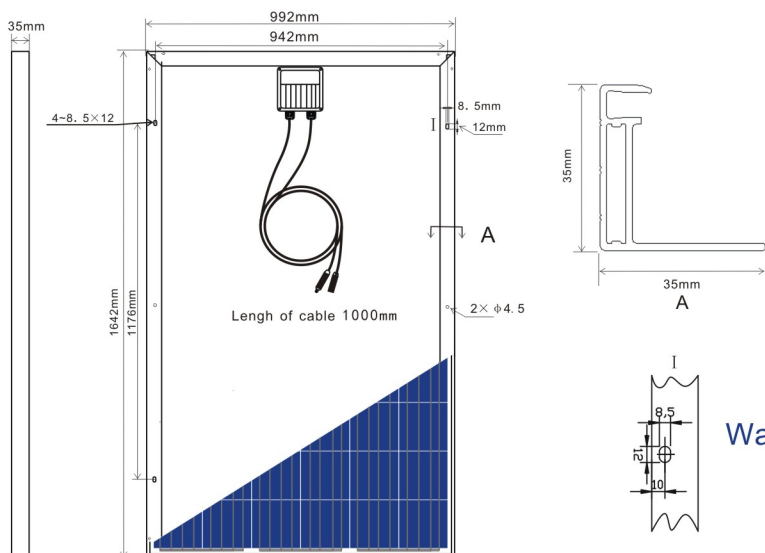
I-V (290W)



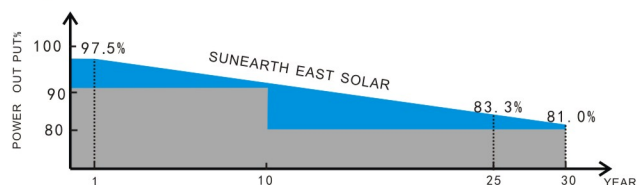
Temperature Dependence of Isc, Voc, Pmax



Dimensions (tolerance ±2mm)



Warranty:



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