

Poly-Crystalline



Superior products durability and reliability: decreased 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 17.50% with white EVA (the maximum output power of 60pcs series is up to 285W) , particularly suitable for light demand projects.



280W

SK280P



SK280P

SPECIFICATIONS

	STC				NOCT			
Rated Power (Pmax):	270W	275W	280W	285W	270W	275W	280W	285W
Maximum Power (Pmax):	270W	275W	280W	285W	199.56W	203.25W	206.95W	210.65W
Rated Voltage at Pmax (VmP):	31.9V	32.1V	32.4V	32.6V	29.66V	29.85V	30.13V	30.31V
Rated Current at Pmax (Imp):	8.46A	8.57A	8.64A	8.74A	6.81A	6.89A	6.95A	7.03A
Open-circuit Voltage (Voc):	38.4V	38.7V	39.0V	39.3V	35.68V	35.95V	36.23V	36.51V
Short-circuit Current (Isc):	9.11A	9.19A	9.27A	9.36A	7.39A	7.46A	7.52A	7.59A
Module Efficiency (ηm):	16.6%	16.9%	17.2%	17.5%				
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 @ .23ms):	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

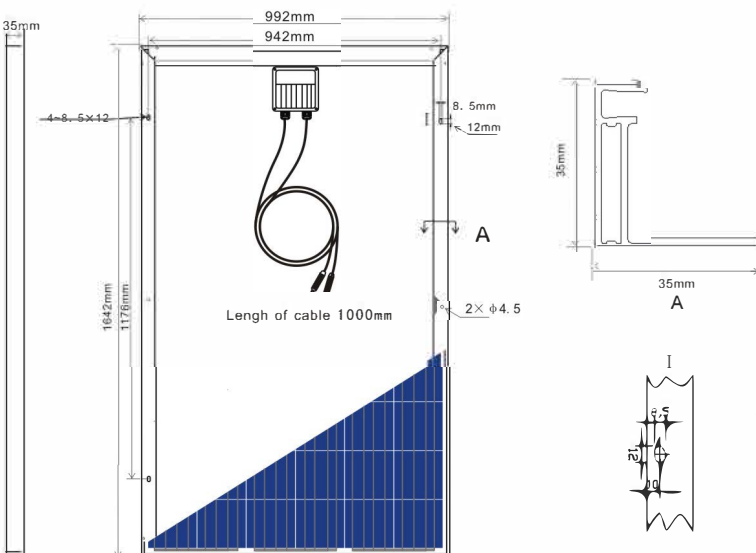
Thermal Characteristics:

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

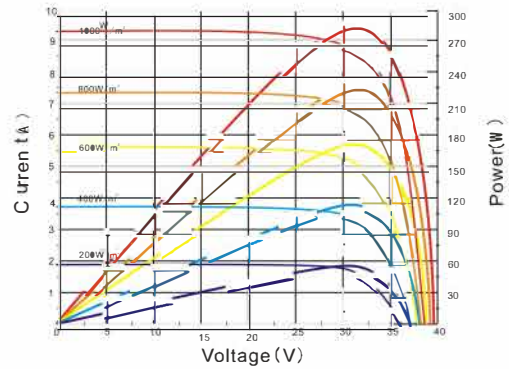
Construction Characteristics:

Front Cover:	low-iron tempered glass/3.2mm
Cell:	60 pcs poly-crystalline 156×156mm
Frame:	anodized aluminum alloy/silver
Junction Box (protection degree):	IP67
Cable (length/cross-sectional area):	1000mm/4mm ²
Connector (protection degree):	IP67
Module Dimension (L×W×H):	1642×992×35mm
Weight:	18.0±3% kg

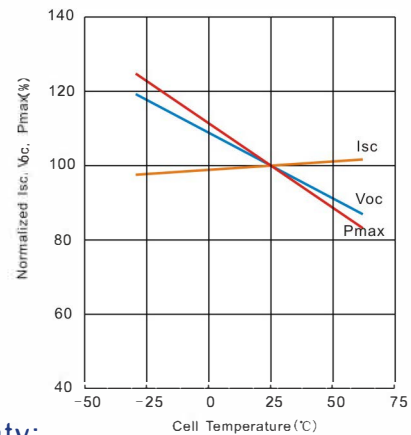
Dimensions (tolerance ±2mm)



I-V (285W)



Temperature Dependence of Isc, Voc, Pmax



Warranty:

