

Mono-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.



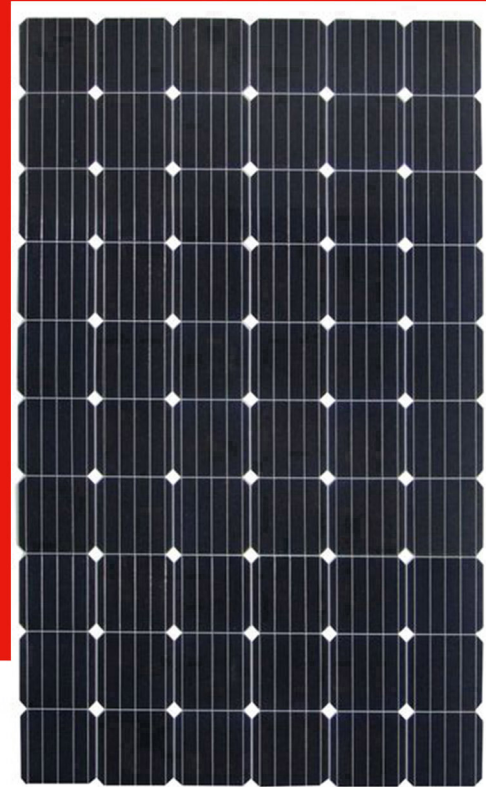
Superior loading capacity: snow pressure of 5400PA and wind pressure of 2400PA.



PID FREE.



Superior design: module efficiency is up to 19.34% with white EVA (the maximum output power of 60pcs series is up to 315W) , particularly suitable for light demand projects.



285W/300W/305W/310W/315W

DXM6-60P



SPECIFICATIONS

	STC					NOCT				
	285W	300W	305W	310W	315W	285W	300W	305W	310W	315W
Rated Power (Pmax):	285W	300W	305W	310W	315W	210.47W	221.55W	225.24W	228.94W	232.63W
Maximum Power (Pmax):	285W	300W	305W	310W	315W	210.47W	221.55W	225.24W	228.94W	232.63W
Rated Voltage at Pmax (Vmp):	31.9V	32.7V	32.9V	33.2V	33.4V	29.66V	30.40V	30.59V	30.87V	31.06V
Rated Current at Pmax (Imp):	8.93A	9.17A	9.27A	9.34A	9.43A	7.18A	7.38A	7.46A	7.51A	7.58A
Open-circuit Voltage (Voc):	39.0V	39.8V	40.0V	40.3V	40.5V	36.31V	37.05V	37.24V	37.52V	37.71V
Short-circuit Current (Isc):	9.45A	9.66A	9.76A	9.83A	9.90A	7.65A	7.82A	7.90A	7.96A	8.02A
Module Efficiency (ηm):	17.5%	18.4%	18.7%	19.0%	19.3%					
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.

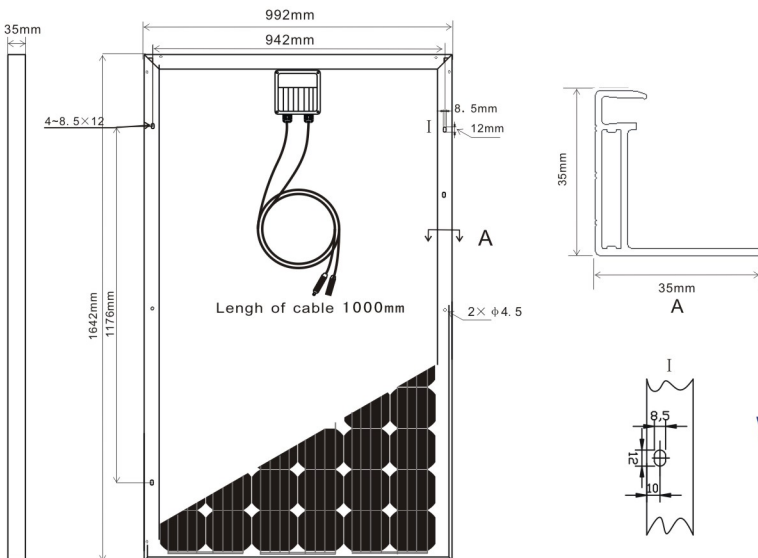
Thermal Characteristics:

Nominal Operating Cell Temperature (NOCT):	45±2°C
Temperature Coefficient of Pmax (γ Pmp):	-0.4%/°C
Temperature Coefficient of Voc (β Voc):	-0.3%/°C
Temperature Coefficient of Isc (α Isc):	+0.05%/°C

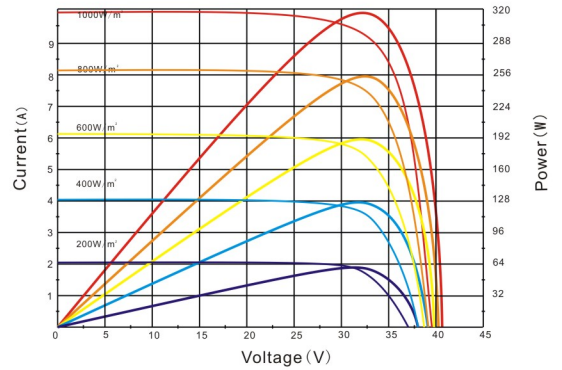
Construction Characteristics:

Front Cover:	low-iron tempered glass/3.2mm
Cell:	60 pcs mono-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

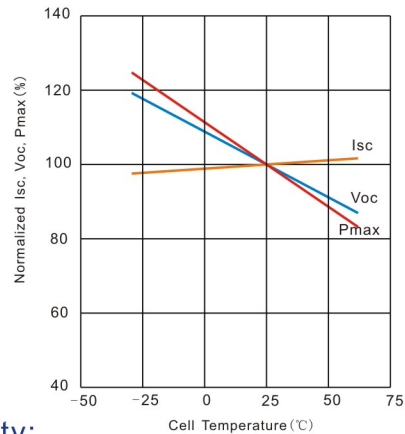
Dimensions (tolerance ±2mm)



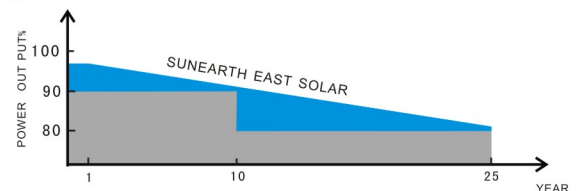
I-V (315W)



Temperature Dependence of Isc, Voc, Pmax



Warranty:



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

