



常州嘉阳新能源科技有限公司

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SOLAR MODULE

**SDP6-255 SDP6-260 SDP6-265 SDP6-270 SDP6-275
SDP6-280**

FEATURES

1. Low voltage-temperature coefficient enhances high-temperature operation.
2. Exceptional low-light performance and high sensitivity to light across the entire solar spectrum maximize yearly energy delivery.
3. 25-year limited warranty on power output, 2-year Limited warranty on materials and workmanship.

MATERIALS

1. Highest quality, high-transmission tempered glass provides enhanced stiffness and impact resistance.
2. Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation.
3. A sturdy, anodized aluminum frame allows modules to be easily roof-mounted with a variety of standard mounting systems.
4. Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells.



BENEFITS

1. Manufactured in an ISO9001:2000 certified plant.
2. High efficiency, high safety, high reliability.
3. Output power tolerance of +/-3%.
4. CE、IEC、TUV、UL、MC

ELECTRICAL SPECIFICATIONS

Model type	SDP6-280	SDP6-275	SDP6-270	SDP6-265	SDP6-260	SDP6-255
Peak power (Pmax)	280W	275W	270W	265W	260W	255W
Cell Efficiency	16.47%	16.18%	15.89%	15.59%	15.30%	15.00%
Module Efficiency	14.43%	14.17%	13.92%	13.66%	13.40%	12.14%
Maximum power voltage (Vmp)	36.72V	36.72V	36.40V	36.40V	36.00V	35.20V
Maximum power current (Imp)	7.63A	7.49A	7.42A	7.28A	7.23A	7.23A
Open circuit voltage (Voc)	43.78V	43.78V	43.63V	43.63V	43.49V	43.88V
Short circuit current (Isc)	7.98A	7.96A	7.90A	7.90A	7.79A	7.85A
Power Tolerance	-1 to +3%					
Maximum system voltage	DC 1000V					
Normal Operating Cell Temperature	45.3±2°C					
Series fuse rating (A)	15A					
Number of bypass diode	3					

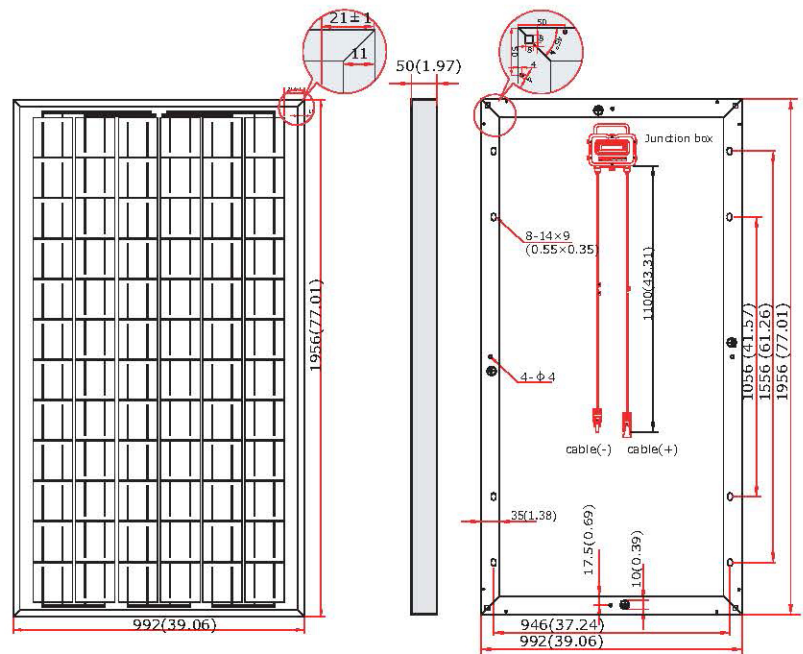
MECHANICAL SPECIFICATIONS

Cell type	156mm x 156mm
Number of cells	72 cells in series
Weight	22.86 kg (50.4 lbs)
Dimensions	1956×992×50 mm (77×39.1×1.97 inch)
Max Load	5400Pascals (112 lb/ft ²)

TEMPERATURE COEFFICIENT

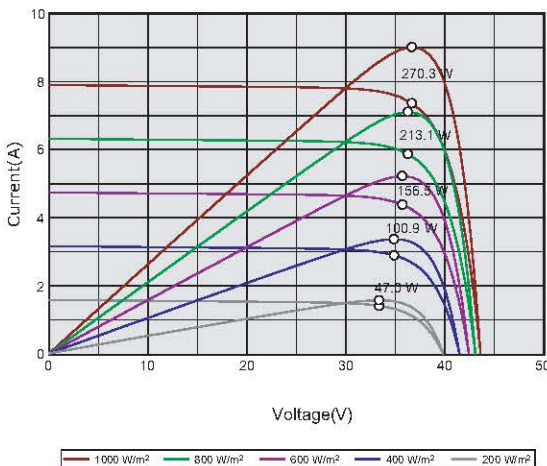
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46 %/°C

PHYSICAL CHARACTERISTICS Unit:mm (inch)

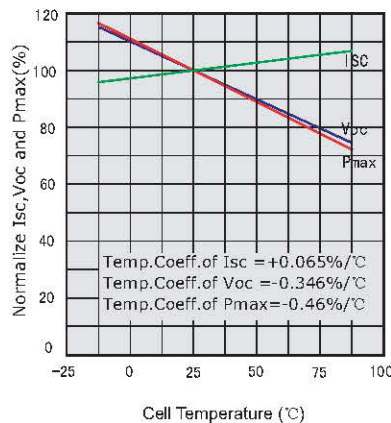


ELECTRICAL CHARACTERISTICS

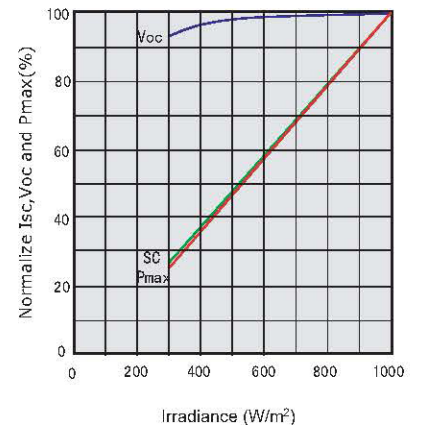
Electrical performance
(cell temperature:25°C)



Temperature dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax (cell temperature:25°C)



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25 °C.
The NOCT is obtained under the Test Conditions : 800 W/m², 20°C ambient temperature, 1 m/s wind speed, AM 1.5 spectrum.

Please contact sales@sundayenergy.cn for technical support. The parameters are for reference only, and are subject to change without notice or obligation.