



常州嘉阳新能源科技有限公司

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SOLAR MODULE

SDP6-155 SDP6-160 SDP6-165 SDP6-170 SDP6-175

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	SDP6-175	SDP6-170	SDP6-165	SDP6-160	SDP6-155
Peak power (Pmax)	175W	170W	165W	160W	155W
Cell Efficiency	15.44%	15.00%	14.59%	14.12%	13.67%
Module Efficiency	13.38%	13.00%	12.62%	12.24%	11.80%
Maximum power voltage (Vmp)	23.20V	23.00V	23.00V	23.00V	23.00V
Maximum power current (Imp)	7.54A	7.39A	7.17A	6.95A	6.73A
Open circuit voltage (Voc)	29.04V	29.00V	29.00V	29.00V	29.00V
Short circuit current (Isc)	8.10A	8.10A	7.90A	7.80A	7.60A
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				

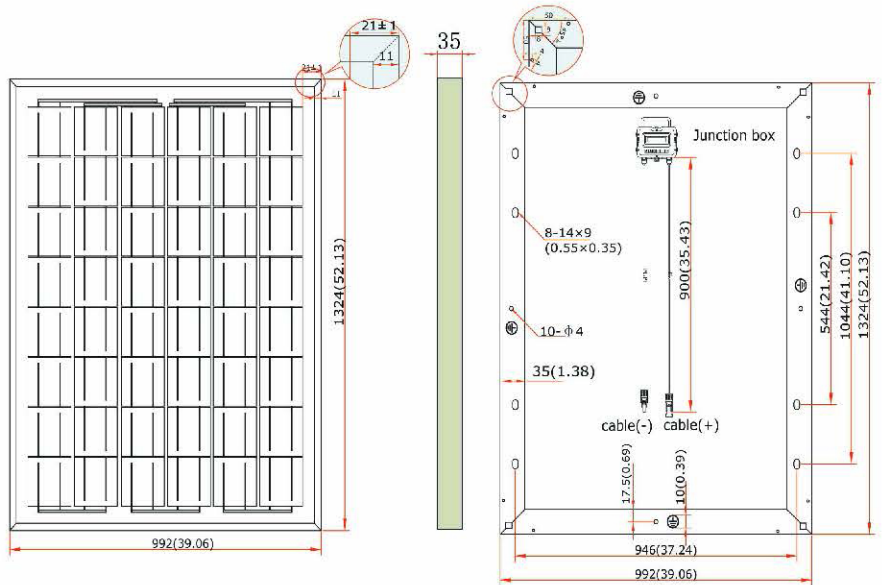
MECHANICAL SPECIFICATIONS

Cell type	156mm x 156mm
Number of cells	48 cells in series
Weight	15.6 kg (34.45 lbs)
Dimensions	1324×992×35mm (52.13×39.06×1.97 inch)
Max Load	5400Pascals (112 lb/ft ²)

TEMPERATURE COEFFICIENT

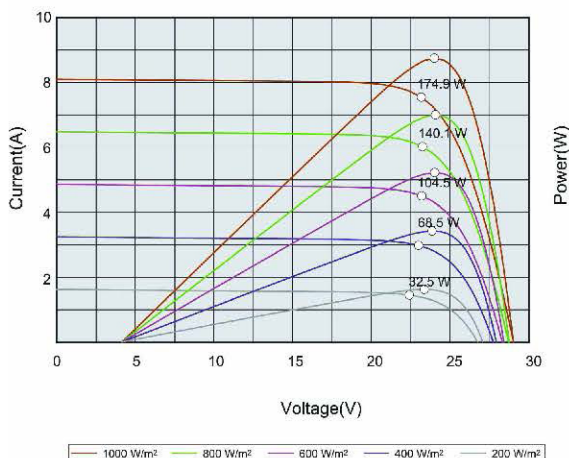
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46 %/°C

PHYSICAL CHARACTERISTICS Unit:mm (inch)

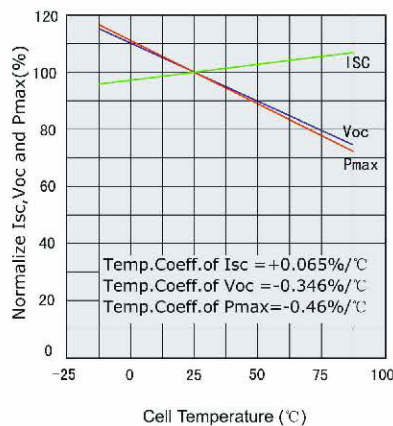


ELECTRICAL CHARACTERISTICS

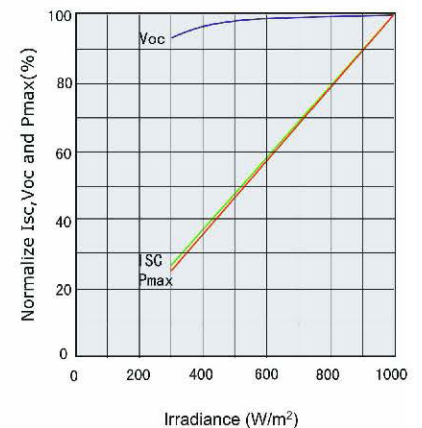
Electrical performance
(cell temperature: 25°C)



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.