



常州嘉阳新能源科技有限公司

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SOLAR MODULE

**SDP6-225 SDP6-230 SDP6-235 SDP6-240 SDP6-245
SDP6-250**

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	SDP6-250	SDP6-245	SDP6-240	SDP6-235	SDP6-230	SDP6-225
Peak Power (Pmax)	250W	245W	240W	235W	230W	225W
Module Efficiency	15.37%	15.06%	14.75%	14.44%	14.14%	13.83%
Maximum Power Voltage (Vmp)	30.34V	30.14V	29.96V	29.83V	29.64V	29.58V
Maximum Power Current (Imp)	8.24A	8.13A	8.02A	7.88A	7.66A	7.61A
Open Circuit Voltage (Voc)	37.47V	37.27V	37.17V	37.08V	36.75V	36.68V
Short Circuit Current (Isc)	8.76A	8.73A	8.58A	8.50A	8.33A	8.25A
Power Tolerance	±3%	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W
Maximum System Voltage	DC 1000V					
Nominal Operating Cell Temperature	45.3±2℃					
Series Fuse Rating (A)	20A					
Number of Bypass Diode	3					

MECHANICAL SPECIFICATIONS

Cell type	156mm x 156mm
Number of cells	60 cells in series
Weight	19.32kg (42.59 lbs)
Dimensions	1650×992×45 mm (64.57×39.06×1.57 inch)
Max Load	5400Pascals (112 lb/ft ²)

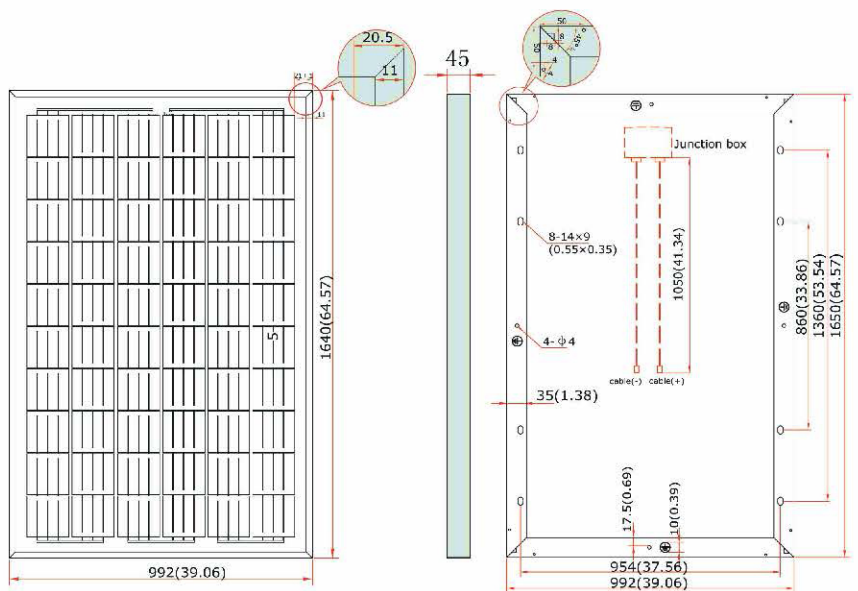
TEMPERATURE COEFFICIENT

Temp. Coeff. of Isc (TK Isc)	0.04 %/℃
Temp. Coeff. of Voc (TK Voc)	-0.34 %/℃
Temp. Coeff. of Pmax (TK Pmax)	-0.44 %/℃

BIG CARTON PACKING MANNER

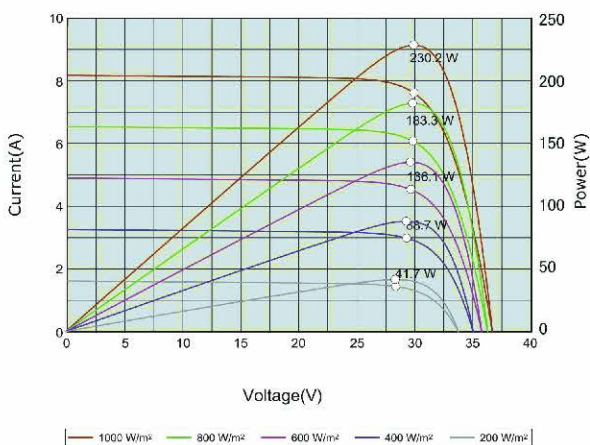
Container	20' GP	40' GP
Pieces per Pallet	26	26
Pallets per Container	12	28
Pieces per Container	312	728

PHYSICAL CHARACTERISTICS Unit:mm (inch)

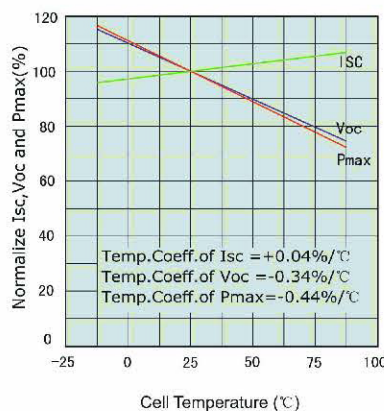


ELECTRICAL CHARACTERISTICS

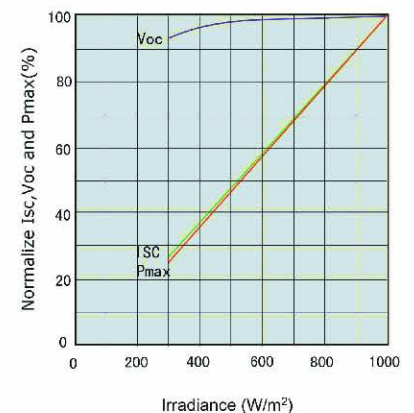
Electrical performance
(cell temperature:25℃)



Temperature dependence of Isc,
Voc and Pmax



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



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℃ 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.