



常州嘉阳新能源科技有限公司

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## SOLAR MODULE

SDP6-190 SDP6-195 SDP6-200 SDP6-205 SDP6-210  
SDP6-215

### 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	SDP6-215	SDP6-210	SDP6-205	SDP6-200	SDP6-195	SDP6-190
Peak power (Pmax)	215W	210W	205W	200W	195W	190W
Cell Efficiency	16.86%	16.47%	16.08%	15.68%	15.29%	14.90%
Module Efficiency	14.62%	14.28%	13.94%	13.60%	13.27%	12.92%
Maximum power voltage (Vmp)	27.54V	27.54V	27.30V	27.21V	27.00V	26.78V
Maximum power current (Imp)	7.81A	7.63A	7.50A	7.36A	7.22A	7.10A
Open circuit voltage (Voc)	33.20V	32.83V	32.80V	32.72V	32.75V	32.50V
Short circuit current (Isc)	8.50A	8.30A	8.10A	7.86A	7.98A	7.72A
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					

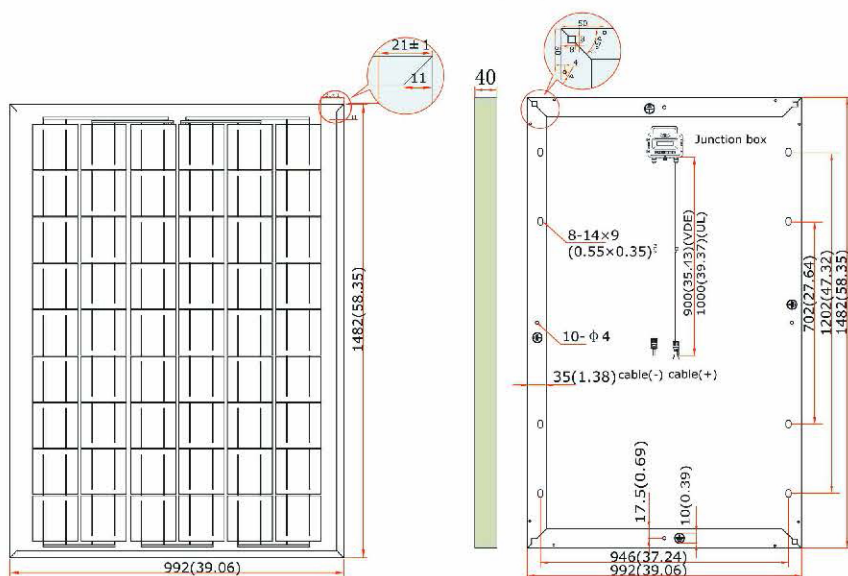
## MECHANICAL SPECIFICATIONS

Cell type	156mm x 156mm
Number of cells	54 cells in series
Weight	18.3 kg (40.34 lbs)
Dimensions	1482×992×40 mm
Max Load	5400Pascals ( 112 lb/ft <sup>2</sup> )

## TEMPERATURE COEFFICIENT

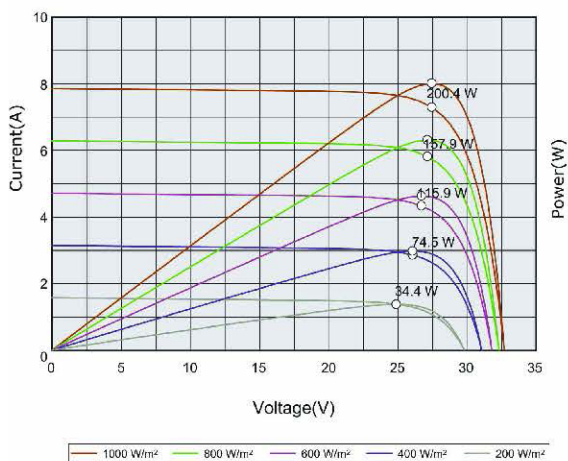
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46 %/°C

## PHYSICAL CHARACTERISTICS Unit:mm (inch)

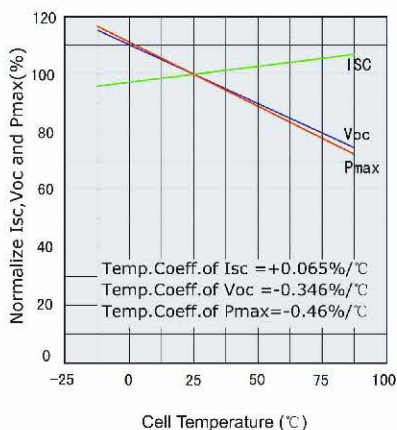


## ELECTRICAL CHARACTERISTICS

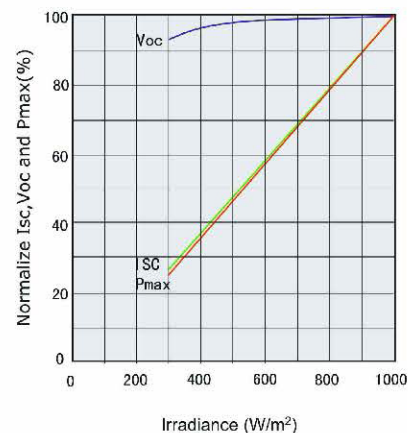
Electrical performance  
(cell temperature:25°C)



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/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25 °C.  
The NOCT is obtained under the Test Conditions : 800 W/m<sup>2</sup>, 20°C ambient temperature, 1 m/s wind speed, AM 1.5 spectrum.

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