



常州嘉阳新能源科技有限公司

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SOLAR MODULE

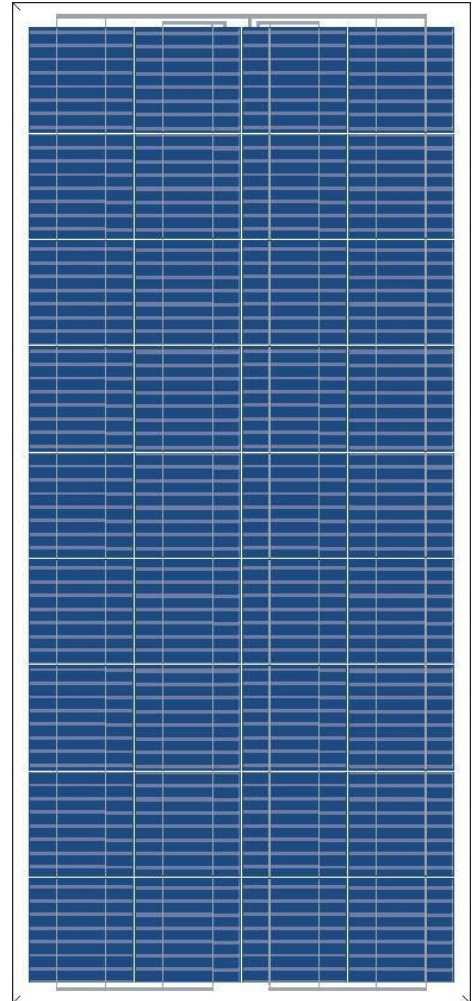
SD-120P SD-125P SD-130P SD-135P SD-140P SD-150P

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、MCS



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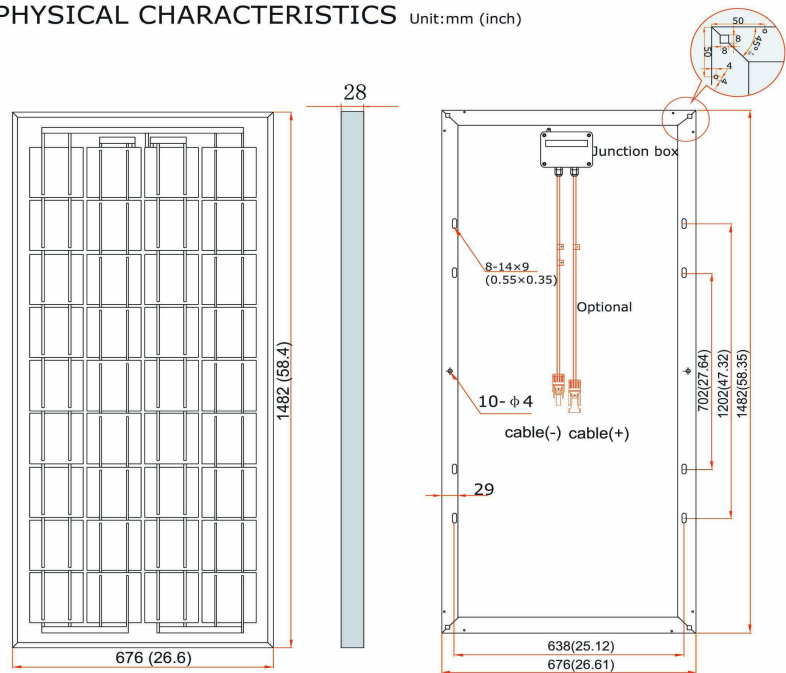
ELECTRICAL SPECIFICATIONS

Model type	SD-150P	SD-140P	SD-135P	SD-130P	SD-125P	SD-120P
Peak power (Pmax)	150 W	140W	135W	130W	125W	120W
Cell Efficiency	17.12%	16.47%	15.88%	15.29%	14.71%	14.12%
Module Efficiency	14.50%	13.97%	13.46%	12.98%	12.48%	12.10%
Maximum power voltage (Vmp)	17.80V	17.60V	17.60V	17.41V	17.40V	17.40V
Maximum power current (Imp)	8.43 A	7.95A	7.67A	7.47A	7.18A	6.89A
Open circuit voltage (Voc)	21.96V	21.96V	21.96V	21.75V	21.75V	21.75V
Short circuit current (Isc)	8.65 A	8.41A	8.41A	8.10A	7.80A	7.63A
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	36 cells in series
Weight	13.18 kg (29.06 lbs)
Dimensions	1482×676×28 mm
Max Load	5400Pascals (112 lb/ft ²)

PHYSICAL CHARACTERISTICS Unit:mm (inch)

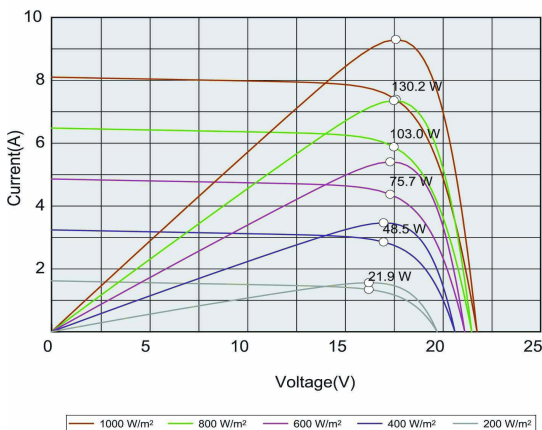


TEMPERATURE COEFFICIENT

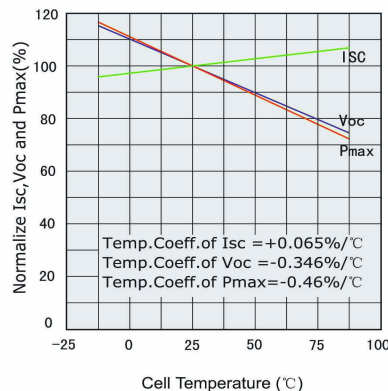
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46 %/°C

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)

