



常州嘉阳新能源科技有限公司

Changzhou Sunday Energy Co.,Ltd

Tel:+86 519 68081229 Website: [www.sundayenergy.cn](http://www.sundayenergy.cn)

Fax:+86 519 68081230 Email:[sales@sundayenergy.cn](mailto:sales@sundayenergy.cn)

Add:No.888,Chengfeng Road,Jintan City,JIANGSU Province

---

## SOLAR MODULE

**SD-55P SD-60P SD-65P SD-70P**

### 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



常州嘉阳新能源科技有限公司

Changzhou Sunday Energy Co.,Ltd

Tel:+86 519 68081229 Website: [www.sundayenergy.cn](http://www.sundayenergy.cn)

Fax:+86 519 68081230 Email:sales@sundayenergy.cn

Add:No.888,Chengfeng Road,Jintan City, Jiangsu Province

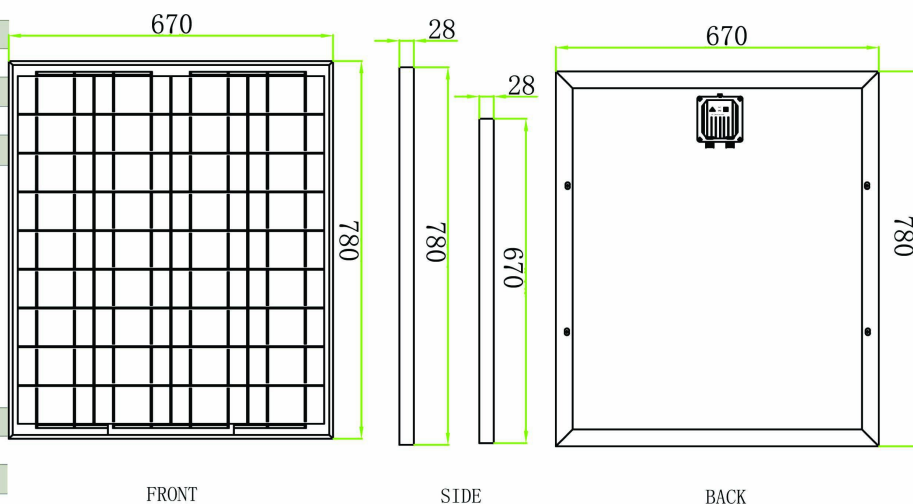
### ELECTRICAL SPECIFICATIONS

Model type	SD-55P	SD-60P	SD-65P	SD-70P
Peak power (Pmax)	55W	60W	65W	70W
Cell Efficiency	12.56%	13.70%	14.84%	15.98%
Module Efficiency	10.52%	11.48%	12.44%	13.39%
Maximum power voltage (Vmp)	17.30V	17.30V	17.30V	17.40V
Maximum power current (Imp)	3.18A	3.49A	3.76A	4.03A
Open circuit voltage (Voc)	21.20V	21.40V	21.50V	21.60V
Short circuit current (Isc)	3.49A	3.86A	4.16A	4.56A
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 78mm
Number of cells	36 cells in series
Weight	6.15kg
Dimensions	780×670×28 mm
Max Load	5400Pascals ( 112 lb/ft <sup>2</sup> )

### PHYSICAL CHARACTERISTICS Unit:mm (inch)

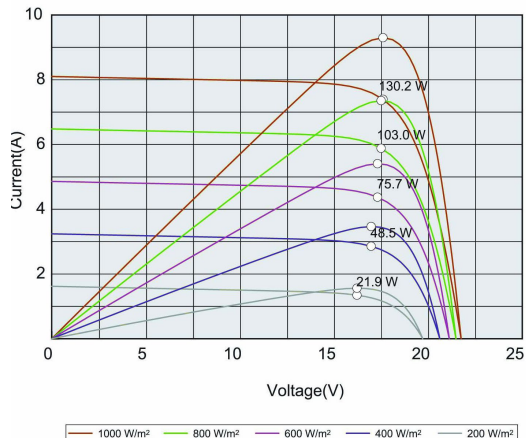


### TEMPERATURE COEFFICIENT

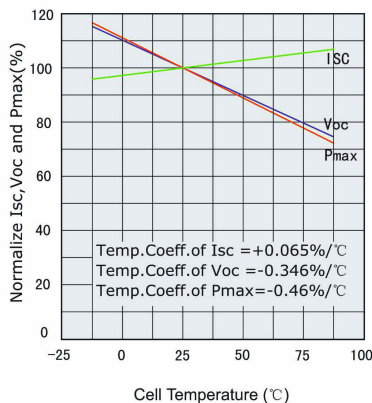
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46 %/°C

### 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)

