



## SP Series Solar Module Model SP205

### SP Series SP205

- Maximizes total system power output
- Achieves higher output with fewer modules
- IEC certified and UL listed



The following features are standard on every SP Series module:

- One of the highest energy output classes in the industry
- Bypass diodes to minimize power drop caused by shade
- Innovative cable connectors make installation easy
- 25-year limited warranty

Manufactured, assembled and tested in our own ISO 9001 facility, SP Series solar modules feature one of the highest grade photovoltaic (PV) cells available. Cells are subjected to rigorous testing to verify performance and integrity before being assembled into a module. Our SP205 modules are designed with 6" silicon cells to optimize performance and to maximize use of today's limited silicon supply. Every SP Series solar module is UL listed; conforms to IEC 61215/61730-1/61730-2; and carries a 25-year limited warranty.

The SP205 has been engineered to achieve higher output with fewer modules in a single array. Like the entire SP Series line of solar modules, the SP205 carries one of the highest energy output classes in the industry and has unique standard features that ensure long life and consistent performance. Bypass diodes are standard and serve to minimize power drop caused by shading, ensuring consistently higher energy yields and superior year-round performance.



### Built to Last

SP Series solar modules are designed to withstand harsh environments and extreme operating conditions. All models are tested to ensure continuous performance under conditions they will probably never encounter:

- Repetitive cycling between -40°F and 194°F at 85% relative humidity
- Simulated impact of 2" hail at 72 mph.
- Damp heat tested for 240 hours with exposure to 185°F and 85% relative humidity
- IEC certified
- UL listed

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Standard Test Conditions—(Irradiance of 1000 W/m<sup>2</sup>, AM1.5 Spectrum and Cell Temperature of 25°)

## Electrical Characteristics

Model Number	SP205
Cell Type	Multi-Crystalline Si
No. of Cells	54
Maximum Power	205 W
Maximum Power Voltage	25.80 V
Maximum Power Current	7.95 A
Open Circuit Voltage	32.6 V
Short Circuit Current	8.48 A
Maximum System Voltage	600 V (UL)/ 1000 V (IEC)
Fuse Rating	15 A
Power Tolerance	+/- 3%
Temp. Coefficient of Isc	0.116%/°C
Temp. Coefficient of Voc	-0.342%/°C
Temp. Coefficient of Pmp	-0.465%/°C
NOCT	45.06 °C

## Physical Characteristics

Model Number	SP205
Length	58.07"/1475 mm
Width	39.21"/996 mm
Height	1.81"/46 mm
Weight	37.9 lb./17.2 kg

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### IV- Characteristics of SP205F Series PV Module

