



G60-200W Modules

A Trusted Quality Brand in Solar

Features

- **Quality & Reliability**
Double glass modules designed for durability. Certified to international certification body standards: IEC, UL, and CEC listed. Manufactured according to the International Quality Management System ISO9001.
- **Superior Aesthetics**
Thin profile double-glass construction provides superior aesthetics that are a perfect complement to roofs, carports, and canopies.
- **Guaranteed Performance**
All modules have a 10 year product warranty and 25 year power output warranty. Sunpreme's warranty is backed by MunichRE, a triple-A rated insurance company.
- **Extreme Climate Performance**
As temperatures rise, our patented SmartSilicon hybrid HCT cell technology produces more power [kW] than conventional crystalline silicon solar panels at the same elevated temperature.
- **Environmentally Responsible**
Environmentally friendly with the lowest energy payback in the industry. Modules contain no toxic materials.

Our breakthrough: SmartSilicon® technology

All Sunpreme modules use our patented SmartSilicon technology that combines a crystalline silicon substrate with innovative thin-film materials to achieve high-efficiency power output and reliable energy production for increased project returns. Unlike conventional silicon or thin-film technologies, Sunpreme uses abundant, low-cost raw materials and a highly-scalable process to deliver solar power with declining cost-per-watt.

About Sunpreme

Sunpreme is an innovative solar PV module manufacturer headquartered in Sunnyvale, California with manufacturing facilities in the United States and China. We provide high quality, reliable and aesthetically superior modules to residential, commercial, and utility customers globally. Sunpreme solar systems are delivering clean energy in 9 different countries. Sunpreme solar panels are designed and engineered in Silicon Valley, CA, USA.



G60 Series Solar PV Module

Electrical Specifications

Model numbers and ratings at STC1							
Model	G60-02-180	G60-02-185	G60-02-190	G60-02-195	G60-02-200	G60-02-205	G60-02-210
Peak Power P_{MAX} [W _p]	180	185	190	195	200	205	210
Voltage at P_{MAX} [V]	29.1	29.4	29.7	30.1	30.4	30.7	31.0
Current at P_{MAX} [A]	6.2	6.3	6.4	6.5	6.6	6.7	6.8
Open Circuit Voltage [V]	36.6	36.9	37.1	37.6	37.9	38.3	38.7
Short Circuit Current [A]	6.9	7.0	7.1	7.2	7.3	7.4	7.5

1: Standard Test Conditions: 1000 W/m², 25°C; electrical characteristics are within ± 10 percent of the indicated values of I_{sc}, V_{oc}, I_{pm}, and V_{pm}

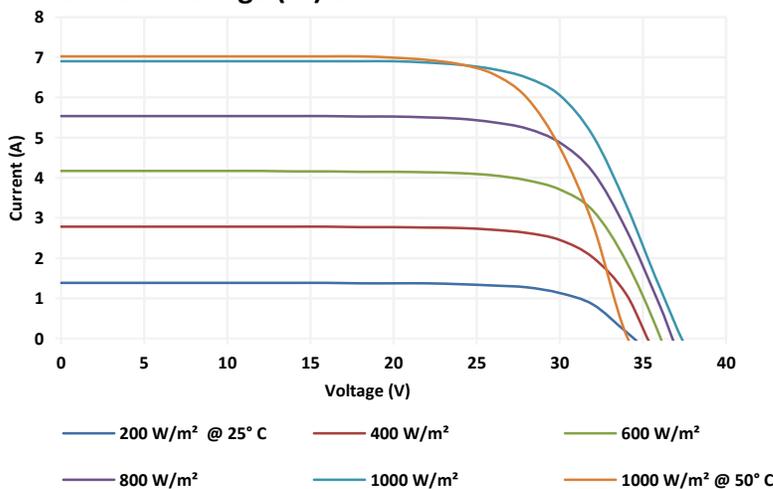
Physical Characteristics

Dimensions	1,635 x 985 x 7 mm	64.4 x 38.8 x 0.3 in.
Weight	27 kg	59.5 lbs.
Area	1.6 m ²	17.2 ft ²
Module type	Thin Film solar Photovoltaic cells Module Frameless design, no grounding required	
Glass	3.2mm tempered low-iron	
Junction Box	IP-65 rated; UL/IEC Listed; 6 diodes	
Cables	4mm ² x 0.9m cable with MC-4 connectors, 1000VDC	

Thermal Characteristics

Nominal Operating Cell Temperature	45 ± 2 °C
Temp. Coefficient of P_{MAX}	-0.39% / °C
Temp. Coefficient of V_{oc}	-0.30 % / °C
Temp. Coefficient of I_{sc}	+0.05% / °C

Current-Voltage (IV) Curve



Certifications & Warranty

Tested and certified to IEC 61646 Thin-film, IEC 61730-01, IEC 61730-02, IEC 61701, and UL 1703. Class C Fire Rating

10 year extended product warranty

25 year limited power warranty

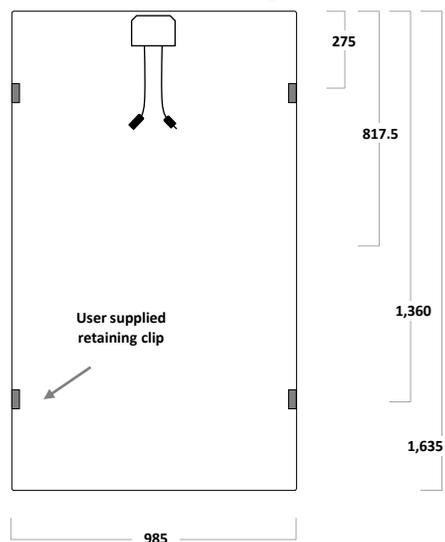
CEC listed



Test Operating Conditions

Operating Temperature	- 40 to + 85°C
Storage Temperature	- 40 to + 85°C
Maximum Series Fuse	15 A
Maximum System Voltage	1000VDC (IEC)
Power Tolerance	0/+3%

Mechanical Drawing (mm)



Covered by one or more of the following U.S. patents: Thin-film 7,951,640; Thin-film 7,956,283; Thin-film 7,960,644

