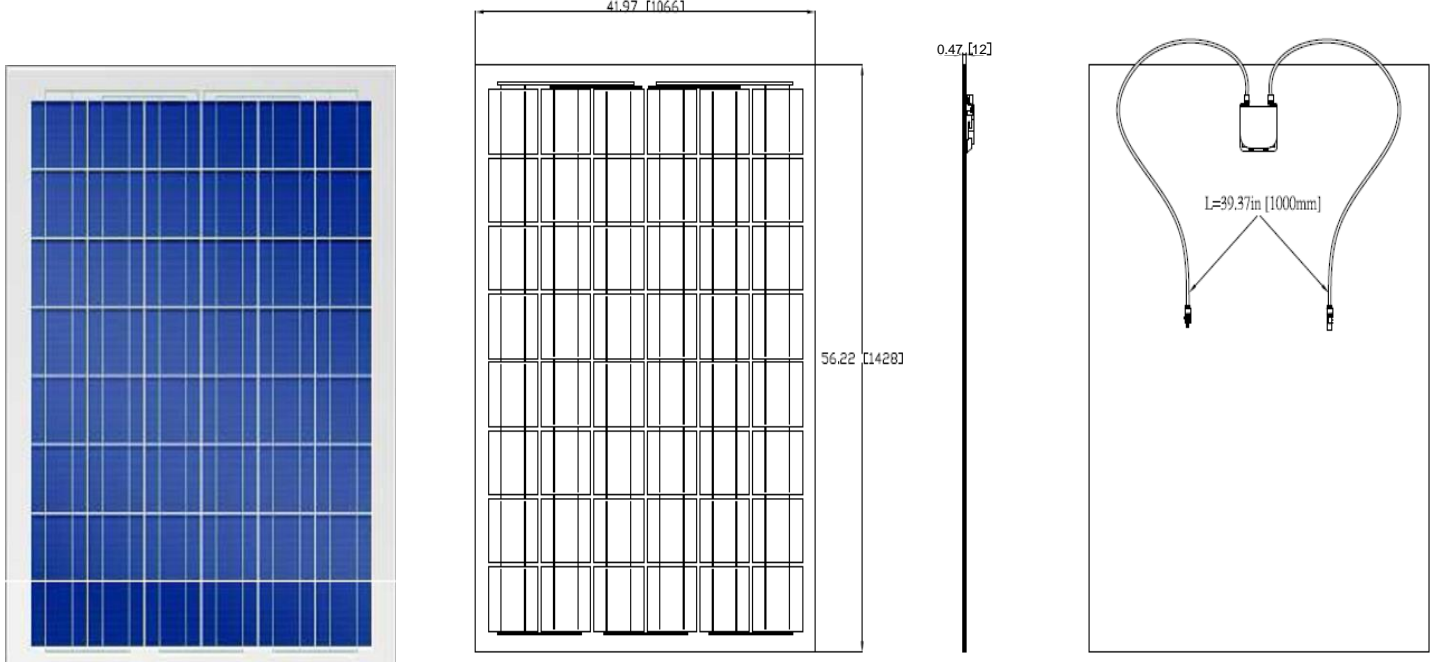




PM180G Series

6" Poly-Crystalline Solar Cell, 6 x 8 Cells.



Unit: in [mm]



Product Characteristics

Physical Specifications

Dimension [L x W x H] / in(mm)	56.22 x 41.97 x 0.51in (1428 x 1066 x 12mm)
Module Area (ft² / m²)	16.39 ft ² (1.52 m ²)
Module Weight (kg)	42 kg

*Actual measurements shall base on manufacturer's standard.

**Size and Thickness of the module can be customized.

Electrical Characteristics: Performance at STC*1

Model Type	PM180G	PM185G	PM190G	PM195G
Peak Power Rating, Pmax	180W	185W	190W	195W
Power Tolerance	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W
Peak Power Voltage, Vpm	23.38	23.65	23.93	24.20
Peak Power Current, Ipm	7.73	7.84	7.95	8.06
Open Circuit Voltage, Voc	29.39	29.67	29.91	30.18
Short Circuit Current, Isc	8.32	8.41	8.50	8.59
Module Efficiency	11.82%	12.15%	12.48%	12.83%

*STC: Standard Test Condition, 1000W/m², AM 1.5, 25°C

Packing Specifications

Modules Per Carton	Packing design to be specified by customer
Modules Per Pallet	Packing design to be specified by customer
20ft Container Capacity (pcs)	Packing design to be specified by customer
40ft Container Capacity (pcs)	Packing design to be specified by customer

*The accurate weight should depends on the product which customer received.

System Integration Parameter & Safety Rating

Maximum System Voltage (Area Not in the U.S. & Canada)	1000VDC (According to Norms in Each Area)
Series Fuse Rating	10A
Application Class	Class A (Safety Class II)
Environmental Operating Temperature (°F, °C)	-40 to 185°F, -40 to 85°C

Limited Warranty***

Product	10Years
90% Output Power	10Years
80% Output Power	20Years

***For details, please read our warranty letter.

Thermal Characteristics

Temperature Coefficient TK Isc (Short Circuit Current) α	+0.088%/°C
Temperature Coefficient TK Voc (Open Circuit Voltage) β	-0.298%/°C
Temperature Coefficient TK Pmax (Peak Power) γ	-0.423%/°C

■ About RITEK Solar

RITEK is a 25-year public traded company, we are a global professional manufacturer to provide solar modules and solar system construction. Through best-quality, and high-performance solar modules and a variety of solar solutions, RITEK Solar can meet and satisfy your perfect standard and need.

■ High Performance

- ⊙ Own key technologies and capabilities to rapidly ramp up
- ⊙ Module maximum conversion efficiency > 12%

■ Best Quality and Reliability

- ⊙ We guarantee that all the solar modules are made in Taiwan.
- ⊙ Modules tested follow IEC61215, IEC61730-1 & 2 and UL1703, to ensure the safety and performance.
- ⊙ Manufacturing facility certified to ISO 9001 Quality Management System standards.

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