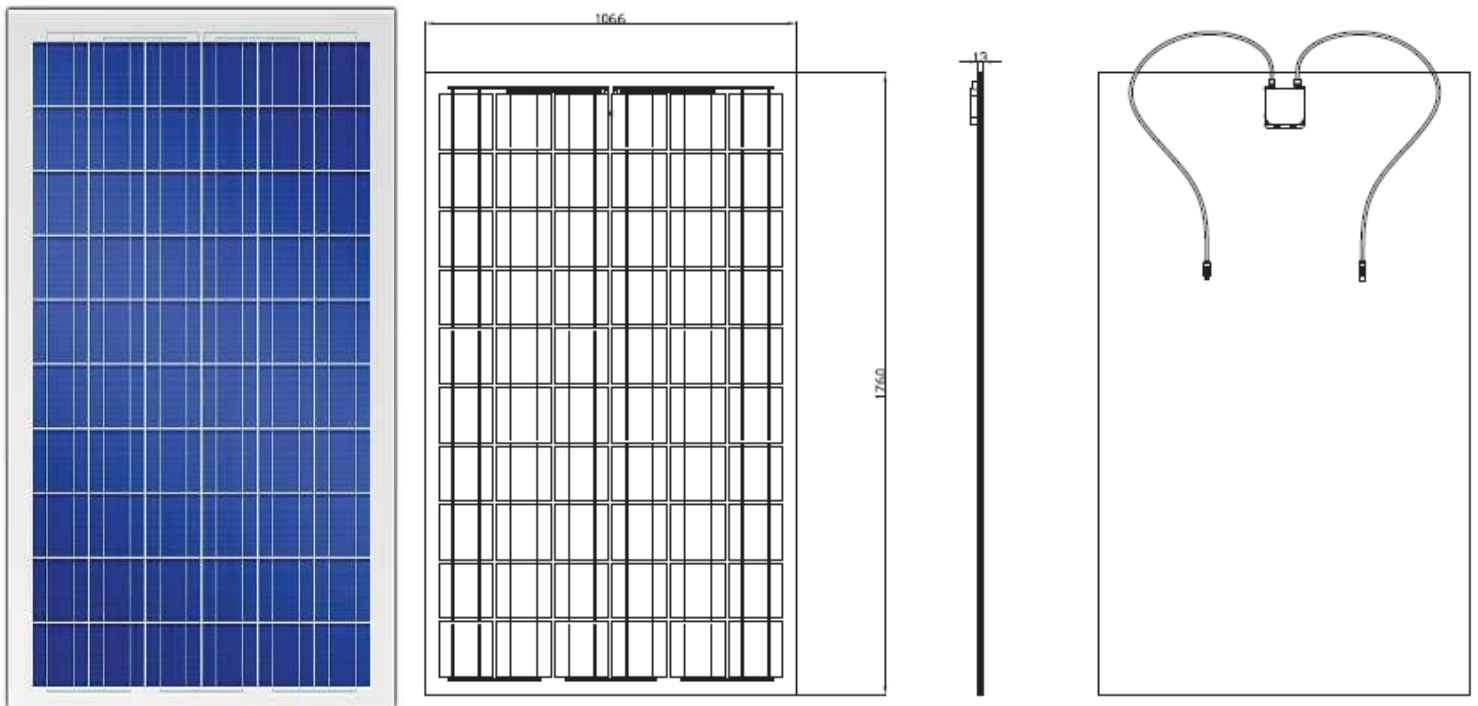




**PM220G Series**

**6" Poly-crystalline Solar Cell, 6x10pcs**



Unit: in [mm]



## Product Characteristics

### Physical Specifications

<b>Dimension [L x W x H]</b>	1066 x 1760 x 13 mm
<b>Weight</b>	55Kg

### Electrical Characteristics: Performance at STC\*1

Model Type	PM200G	PM205G	PM210G	PM215G
Peak Power Rating, Pmax	200W	205W	210W	215W
Power Tolerance	± 5%	± 5%	± 5%	± 5%
Peak Power Voltage, Vpm	28.65 V	28.70 V	29.05 V	29.34 V
Peak Power Current, Ipm	6.95 A	7.13 A	7.24 A	7.34 A
Open Circuit Voltage, Voc	36.53 V	36.59 V	36.83 V	37.19 V
Short Circuit Current, Isc	7.51 A	7.69 A	7.80 A	7.91 A
Module Efficiency	10.66%	10.93%	11.19%	11.46%

Model Type	PM220G	PM225G
Peak Power Rating, Pmax	220W	225W
Power Tolerance	± 5%	± 5%
Peak Power Voltage, Vpm	29.69 V	29.81 V
Peak Power Current, Ipm	7.45 A	7.49 A
Open Circuit Voltage, Voc	37.50 V	37.68 V
Short Circuit Current, Isc	8.00 A	8.06 A
Module Efficiency	11.73%	11.99%

\*STC: Standard Test Condition, 1000W/m<sup>2</sup>, AM 1.5, 25°C

### Packing Specifications

<b>Modules Per Box</b>	Packing design to be specified by customer
<b>Module Per Pallet</b>	Packing design to be specified by customer
<b>20ft Container Capacity</b>	Packing design to be specified by customer
<b>40ft Container Capacity</b>	Packing design to be specified by customer

### System Integration Parameter & Safety Rating

<b>Maximum System Voltage</b>	1000VDC (600VDC in US)
<b>Series Fuse Rating</b>	10A
<b>Environmental Operating Temperature (°F, °C)</b>	-40 to 85°C

### Limited Warranty\*\*\*

<b>Product</b>	10Years
<b>90% Output Power</b>	10Years
<b>80% Output Power</b>	25Years

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

### Component materials

<b>Cell Qty per Module</b>	60pcs
<b>Cell Type</b>	Polycrystalline Silicon
<b>Cell Dimensions</b>	156 x 156 mm
<b>Laminate Construction</b>	Front: Tempered Glass Encapsulation: Solar Cells Embedded in EVA (Ethylene-Vinyl-Acetate) Rear: Tempered Glass

<b>Glass</b>	Low-Iron Tempered Glass. Front Side: 5mm (Basic design = 5mm. >5mm or above, ex. 6mm, custom-made possible) Back Side: 6mm (Basic design = 6mm. >6mm or above, ex. 7mm, custom-made possible)
<b>Junction Box</b>	IP65 Junction Box (TÜV Certified)
<b>Bypass Diodes</b>	3 pcs
<b>Cable</b>	2 Cables (TÜV Certified)
<b>Connector</b>	TÜV Certified

## Thermal Characteristics

<b>Temperature Coefficient TK Pmax (Peak Power)</b>	-0.52%/°C
<b>Temperature Coefficient TK Voc (Open Circuit Voltage)</b>	-0.37%/°C
<b>Temperature Coefficient TK Isc (Short Circuit Current)</b>	+0.07%/°C

### ■ About RITEK Solar

RITEK Solar is 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 > 14%
- ⊙ 3BB Full Square Mono and Multicrystalline high efficiency solar modules

### ■ Best Quality and Reliability

- ⊙ We guarantee that all the solar modules are made in Taiwan.
- ⊙ Modules independently tested to ensure conformance with certification and regulatory standards.
- ⊙ Manufacturing facility certified to ISO 9001 Quality Management System standards.

### ■ Warranties

- ⊙ 10-year limited product warranty
- ⊙ Warranty of minimal power output 90% at STC for 10 years
- ⊙ Warranty of minimal power output 80% at STC for 25 years