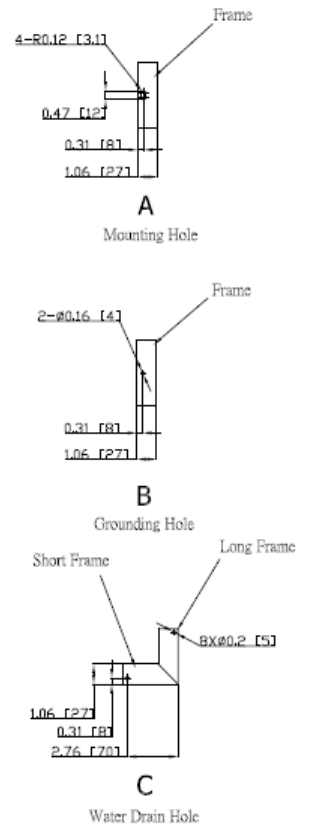
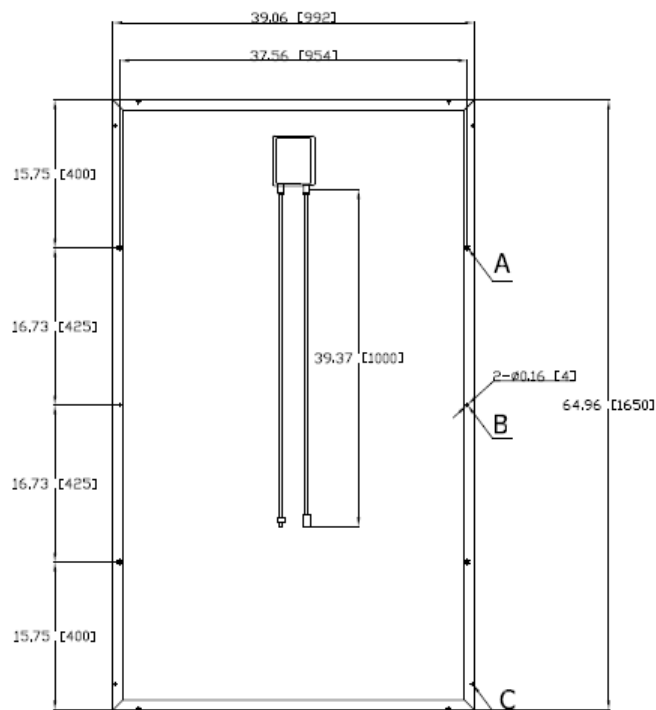
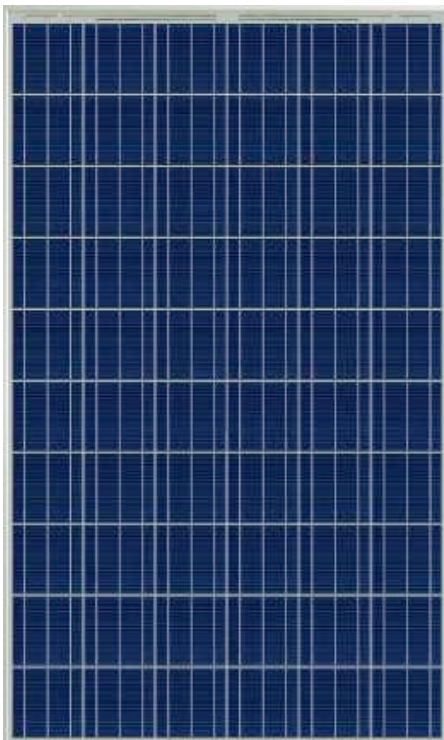




Join the RITEK Solar Revolution

PM230T Series

6" Poly-crystalline Solar Cell, 3bus-bar , 6x10pcs



Unit: in [mm]



Product Characteristics

Physical Specifications

Dimension [L x W x H]	64.96 x 39.06 x 1.65in (1650 x 992 x 42mm)
Module Area	17.62 sq. ft (1.64 m ²)

Electrical Characteristics: Performance at STC*1

Model Type	PM220T	PM225T	PM230T	PM235T
Peak Power Rating, Pmax	220W	225W	230W	235W
Power Tolerance	± 3%	± 3%	± 3%	± 3%
Peak Power Voltage, Vpm	28.92 V	29.15 V	29.44 V	29.78 V
Peak Power Current, Ipm	7.53 A	7.68 A	7.80 A	7.90 A
Open Circuit Voltage, Voc	36.50 V	36.73 V	37.03 V	37.39 V
Short Circuit Current, Isc	8.17 A	8.25 A	8.37 A	8.48 A
Power Density [W / ft ²]	12.49	12.77	13.05	13.34
Power Density [W / m ²]	134.41	137.46	140.52	143.57
Module Efficiency	13.44%	13.75%	14.05%	14.36%

Model Type	PM240T	PM245T
Peak Power Rating, Pmax	240W	245W
Power Tolerance	± 3%	± 3%
Peak Power Voltage, Vpm	29.95 V	30.29 V
Peak Power Current, Ipm	7.95 A	8.05 A
Open Circuit Voltage, Voc	37.57 V	37.87 V
Short Circuit Current, Isc	8.52 A	8.61 A
Power Density [W / ft ²]	13.62	13.91
Power Density [W / m ²]	146.63	149.68
Module Efficiency	14.66%	14.97%

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

Packing Specifications

Modules Per Carton	12pcs/Carton
Modules Per Pallet	24pcs/Pallet (=2 Cartons/Pallet)
Pallet Dimension [L x W x H]	66.3 x 44.7 x 43.9 in (1685 x 1134 x 1114 mm)
Pallet Weight	1204 Lbs (546Kg)
20ft Container Capacity (pcs)	288
40ft Container Capacity (pcs)	672

System Integration Parameter & Safety Rating

Maximum System Voltage (U.S. & Canada)	600VDC
Maximum System Voltage (Area Not in the U.S. & Canada)	1000VDC (According to Norms in Each Area)
Series Fuse Rating	15A
Fire Safety Class	Class C
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	25Years

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

Component materials

Cell Qty per Module	60pcs
Cell Type	Polycrystalline Silicon, 3 Bus-Bar
Cell Dimensions	6 x 6 in (156 x 156 mm)
Laminate Construction	Front: Tempered Glass Encapsulation: Solar Cells Embedded in EVA (Ethylene-Vinyl-Acetate) Rear: Tedlar Color of back sheet: White
Glass	Low-Iron Tempered Glass Standard thickness: 0.126in (=3.2mm) (>0.126in (=3.2mm), ex. 0.157in (=4mm) or above, custom-made possible.)
Junction Box	IP65, Kit with Solar Cables & Connectors, TÜV Certified & UL Listed
Bypass Diodes	3pcs, TÜV Certified & UL Listed
Cable	Solar Cable x2 (Kit with Junction Box & Connector) Cable Length: 39.37/39.37in. (1000/1000mm) Wire Size: AWG #12, 4.0mm ² , TÜV Certified & UL Listed
Connector	Tyco Connectors, x2 (Male Coupler x1 + Female Coupler x1) MC4 Connectors (Optional), x2 (Male Coupler x1 + Female Coupler x1) TÜV Certified & UL Listed
Frame	Anodized Aluminum Frame. Color: Silver or Black

Thermal Characteristics

NOCT (Nominal Operating Cell Temperature) °F, °C	115.70°F, 46.5°C
Temperature Coefficient TK I _{sc} (Short Circuit Current) α	+0.0545%/°C
Temperature Coefficient TK V _{oc} (Open Circuit Voltage) β	-0.3441%/°C
Temperature Coefficient TK P _{max} (Peak Power) γ	-0.4566%/°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

■ Contact Windows ■

◎Headquarters, Taiwan: RITEK Corporation

No.17, Kuanfu N. Rd., Hsin Chu Industrial Park 30316, Taiwan

Tel: +886-03-598-7298 **Fax:** +886-03-597-8449

e-mail: ritsolar@ritek.com.tw

◎RITEK America, Advanced Media Inc.

1440 Bridgegate Dr., Suite 395 Diamond Bar, CA 91765, USA

Tel: +1-909-861-2269 **Fax:** +1-909-612-4258

e-mail: solarsales@ritekusa.com

◎RITEK Europe, Conrexx Technology B.V.

Keurmeesterstraat 18 2984 BA Ridderkerk , The Netherlands

Tel: +31-180-44-1666 **Fax:** +31-180-44-1667

e-mail: richard.kwok@conrexx.com

◎RITEK China, Kunshan Hutek Corporation

No.88, Second Avenue, Kunshan Export Processing Zone,
Jiangsu Province 215301, China

Tel: +86-512-5735-8989 **Fax:** +86-512-5736-2006

e-mail: marketing@hutek.com.cn