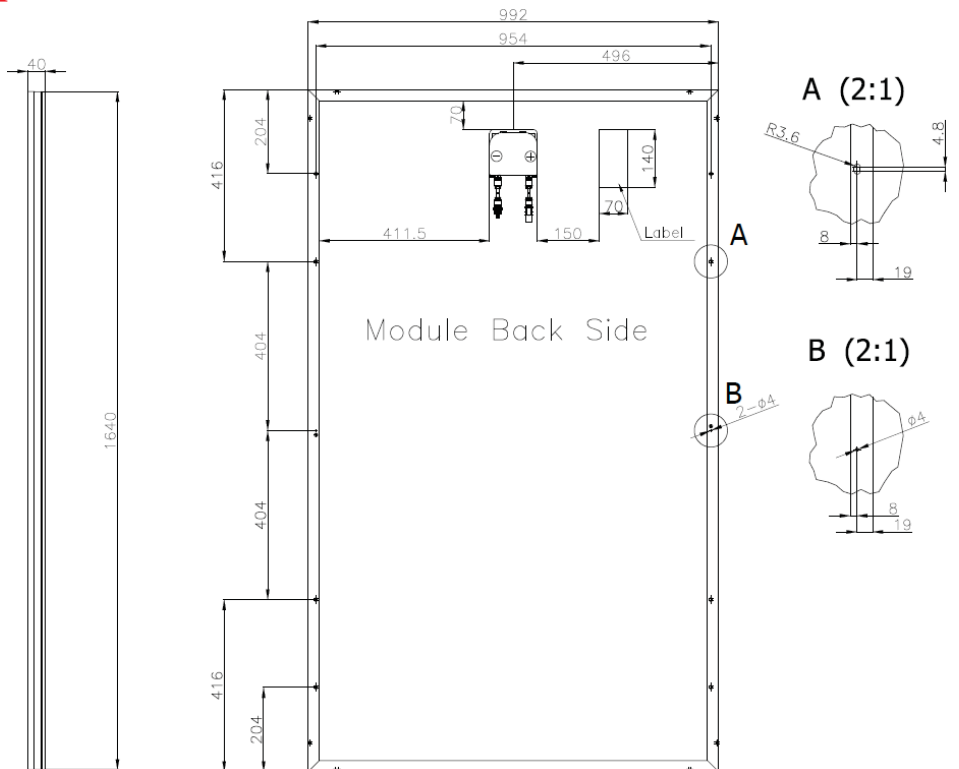




Join the RITEK Solar Revolution

PM60-6RT Series

6" Poly-crystalline Solar Cell, 6x10pcs



Unit: in [mm]



Product Characteristics

Physical Specifications

Dimension [L x W x H]	64.57 x 39.06 x 1.57in (1640 x 992 x 40mm)
Module Area	17.55 sq. ft (1.63 m ²)
Weight	39.68 lb (18.0 Kg)

Electrical Characteristics: Performance at STC*1

Model Type	PM60-6RT-225	PM60-6RT-230	PM60-6RT-235	PM60-6RT-240	PM60-6RT-245	PM60-6RT-250
Peak Power Rating, Pmax	225W	230W	235W	240W	245W	250W
Power Tolerance	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W
Peak Power Voltage, Vmp	29.27	29.6	29.78	30.18	30.43	30.69
Peak Power Current, Imp	7.75	7.83	7.9	7.99	8.07	8.15
Open Circuit Voltage, Voc	36.85	37.21	37.39	37.75	37.99	38.12
Short Circuit Current, Isc	8.3	8.43	8.48	8.56	8.62	8.63
Module Efficiency	13.8%	14.11%	14.42%	14.72%	15.03%	15.34%

Model Type	PM60-6RT-255	PM60-6RT-260	PM60-6RT-265	PM60-6RT-270	PM60-6RT-275
Peak Power Rating, Pmax	255W	260W	265W	270W	275W
Power Tolerance	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W
Peak Power Voltage, Vmp	30.88	31.21	31.47	31.74	32.01
Peak Power Current, Imp	8.32	8.36	8.46	8.55	8.64
Open Circuit Voltage, Voc	38.7	38.85	39.13	39.41	39.7
Short Circuit Current, Isc	8.94	9.01	9.06	9.15	9.25
Module Efficiency	15.64%	15.95%	16.26%	16.56%	16.87%

*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	1134 Lbs (514Kg)
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	Poly-crystalline Silicon
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	Yukita 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	120.38°F, 49.1°C
Temperature Coefficient TK I_{sc} (Short Circuit Current) α	+0.123%/°C
Temperature Coefficient TK V_{oc} (Open Circuit Voltage) β	-0.296%/°C
Temperature Coefficient TK P_{max} (Peak Power) γ	-0.376%/°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