

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

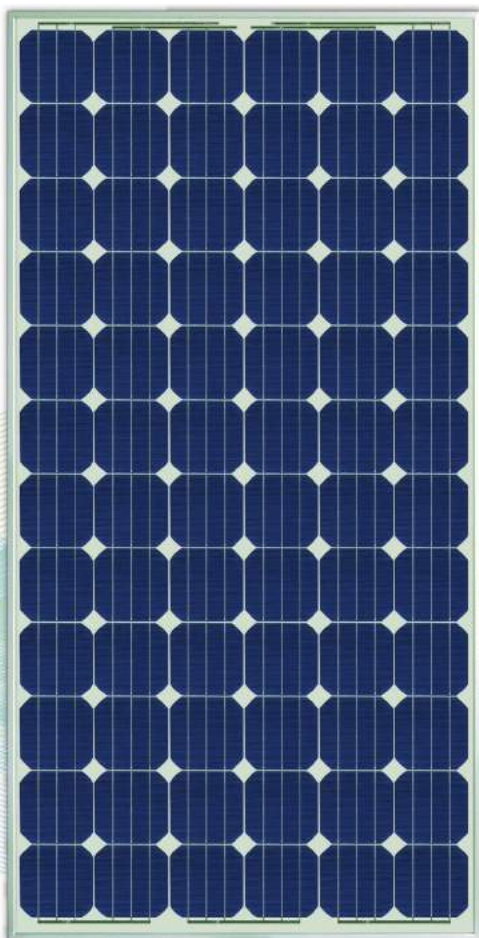
Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

**RITEK Corporation
MM72-6RT-310-360
MM72-6RT-360**

Also available on the web at
EnergyPal.com/ritek-corporation-solar-panels/mm72-6rt-360



6" Mono-crystalline Solar Cell, 6x12pcs



Best Efficiency

Module maximum conversion efficiency > 18.2%



Withstand Strong Wind/Snow/Salt/Mist/Fire

Salt and mist corrosion test pass. Ammonia corrosion test pass. 5400Pa load test pass. Fire test pass



Best Reliability

- TUV, ETL, MCS Certification / Trusty real power output
- Strict materials verification, strict production control and traceable, only use A grade cell
- Internal strict reliability test (DH3000, TC200, Outdoor exposure test routinely)



Excellent Customized Module

- Standard white back sheet and silver frame, black back sheet and frame are optional
- Special structure module: extra high load endurance module.
- High environment endurable module ready for severe application
- Multi-layout available: 4x9, 6x6, 6x7, 6x8, 6x9, 6x10, 6x12



Best Reputation

RITEK group was established in 1988. For more than 25 years, Headquarter located in Taiwan, RITEK has proven its excellent product and service.

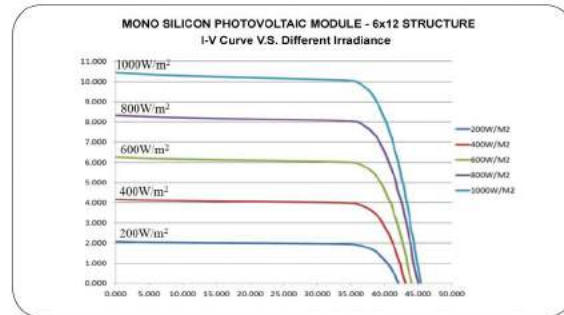
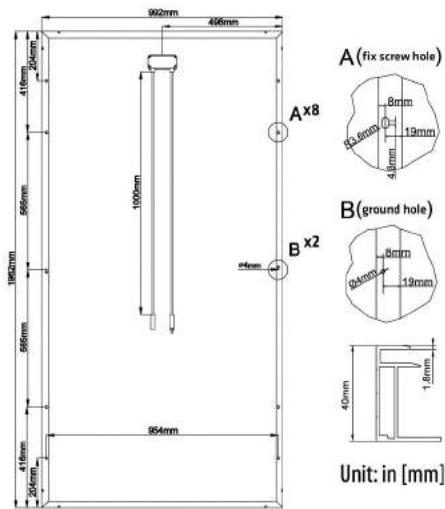


100% EL Inspection

Double run 100% EL inspection



EXCELLENT QUALITY



Electrical Data

Model Type	MM72-6RT-310	MM72-6RT-315	MM72-6RT-320	MM72-6RT-325	MM72-6RT-330	MM72-6RT-335	MM72-6RT-340	MM72-6RT-345	MM72-6RT-350	MM72-6RT-355	MM72-6RT-360
Peak Power Rating, Pmax	310W	315W	320W	325W	330W	335W	340W	345W	350W	355W	360W
Power Tolerance	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W
Peak Power Voltage, Vmp	35.51	36.35	36.90	37.58	37.94	37.99	38.38	38.79	38.85	39.06	39.28
Peak Power Current, Imp	8.45	8.53	8.57	8.65	8.70	8.82	8.86	8.90	9.01	9.09	9.17
Open Circuit Voltage, Voc	43.79	44.74	45.40	45.59	45.63	46.02	46.49	47.02	47.60	48.13	48.60
Short Circuit Current, Isc	8.90	9.00	9.05	9.26	9.40	9.46	9.50	9.53	9.55	9.58	9.62
Module Efficiency	15.93%	16.18%	16.44%	16.70%	16.96%	17.21%	17.47%	17.73%	17.98%	18.24%	18.50%

*STC: Standard Test Condition, 1000W/m², AM 1.5, 25°C ** Vmp tolerance +/- 3%, Imp tolerance +/- 3%, Voc tolerance +/- 3%, Isc tolerance -0/+5%

Mechanical Data

Item	Specification
Dimension [L x W x H]	77.24 x 39.06 x 1.57in (1962 x 992 x 40mm)
Cable Length	1M, other length optional
Weight	48.5 lbs (22.0 Kg)
Warranty	90% Output Power : 10 Years 80% Output Power : 25 Years

*The actual measurements shall depends on the manufacturer's standard.
***For details, please read our warranty letter.

Packing Specifications

Item	Specification
Modules Per Carton	13pcs/Carton
Modules Per Pallet	26pcs/Pallet (=2 Cartons/Pallet)
Pallet Dimension [L x W x H]	79.6 x 44.6 x 45.1 in (2022 x 1132 x 1146 mm)
Pallet Weight	1294 Lbs (587Kg)
20ft Container Capacity (pcs)	260
40ft Container Capacity (pcs)	572

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



Operating Condition

Item	Specification
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



Thermal Characteristics

Item	Specification
NOCT (Nominal Operating Cell Temperature) °F, °C	120.38°F, 49.1°C
Temperature Coefficient TK Isc (Short Circuit Current) α	+0.054%/°C
Temperature Coefficient TK Voc (Open Circuit Voltage) β	-0.339%/°C
Temperature Coefficient TK Pmax (Peak Power) γ	-0.459%/°C

