

Unit: in [mm]

Product Characteristics

Physical Specifications

Dimension [L x W x H]	77.40 x 39.06 x 1.65in (1966 x 992 x 42mm)
Module Area	20.99 sq. ft (1.95 m ²)
Weight	57 Lbs (25Kg)

Electrical Characteristics: Performance at STC*1

Model Type	MM300T
Peak Power Rating, Pmax	300W
Power Tolerance	± 3%
Peak Power Voltage, Vpm	35.40 V
Peak Power Current, Ipm	8.42 A
Open Circuit Voltage, Voc	44.55 V
Short Circuit Current, Isc	8.87 A
Power Density [W / ft ²]	14.29
Power Density [W / m ²]	153.85
Module Efficiency	15.39%

*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]	79.6 x 44.6 x 44.2 in (2022 x 1132 x 1122 mm)
Pallet Weight	1468 Lbs (642Kg)
20ft Container Capacity (pcs)	240
40ft Container Capacity (pcs)	528

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***

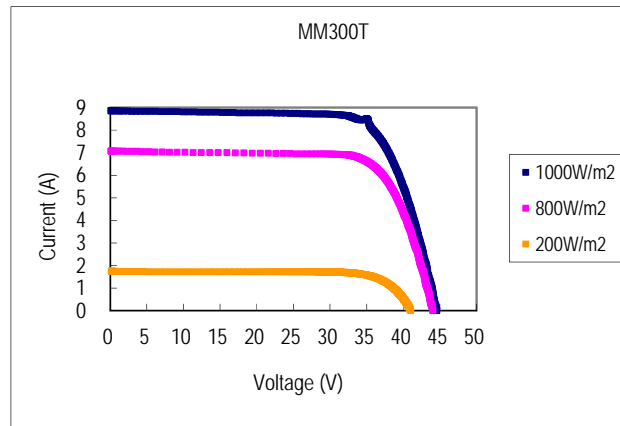
Product	5Years
90% Output Power	10Years
80% Output Power	25Years

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

Component materials

Cell Qty per Module	72pcs
Cell Type	Mono-crystalline 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: 0.157in (=4mm) (>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 / Black options

Current-Voltage Characteristics (I-V Curve) at various irradiance levels



Thermal Characteristics

NOCT (Nominal Operating Cell Temperature) °F, °C	115.70°F, 46.5°C
Temperature Coefficient TK Isc (Short Circuit Current) α	+0.0545%/°C
Temperature Coefficient TK Voc (Open Circuit Voltage) β	-0.3441%/°C
Temperature Coefficient TK Pmax (Peak Power) γ	-0.4566%/°C

Features:

Superior quality module make in Taiwan

Silver/black frame available with Tyco/MC4 connector

Passed & Complied with Salt Mist Corrosion Test Standard [IEC 61701 First Edition 1995.3]

High quality glass provides for less reflection of incoming sunrays.