

Specifications of TW325MWP-60 Monocrystalline solar module

Electrical Characteristics at Standard Test Conditions(STC)					
Module Type: TW *** MWP-60	335	330	325	320	315
Maximum Power-Pm [W]	335	330	325	320	315
Open-Circuit Voltage-Voc [V]	41.43	41.30	41.04	40.78	40.53
Short-Circuit Current-Isc [A]	10.40	10.32	10.25	10.18	10.11
Maximum Power Voltage-Vm [V]	34.19	33.75	33.44	33.17	32.89
Maximum Power Current-Im [A]	9.80	9.78	9.72	9.65	9.58
Module Efficiency-η [%]	20.08	19.78	19.48	19.18	18.88

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)					
Maximum Power-Pm [W]	247	243	239	236	232
Open-Circuit Voltage-Voc [V]	38.9	38.7	38.5	38.3	38.0
Short-Circuit Current-Isc [A]	8.42	8.35	8.30	8.24	8.18
Maximum Power Voltage-Vm [V]	32.1	31.7	31.4	31.1	30.9
Maximum Power Current-Im [A]	7.69	7.67	7.63	7.57	7.51

Note:
 1. Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25°C according to EN 60904-3;
 2. Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m²; wind speed 1m/s, ambient temperature 20°C;
 3. Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%.

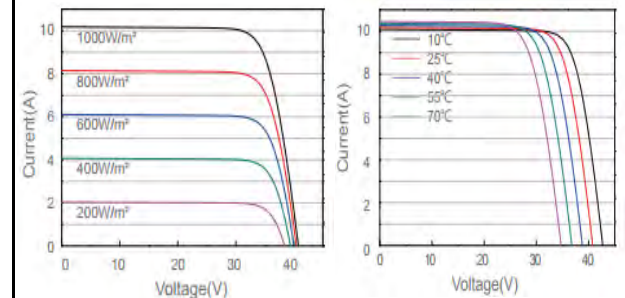
Mechanical Characteristics	
Dimensions	1665x1002x35mm 1650x992x35 [mm] (LxWxH)
Weight	18.6kg
Front Glass	White toughened safety glass, 3.2mm
Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Cells	60pcs 158.75x158.75mm Monocrystalline solar 5BB PERC cells
Backsheet	Composite film, Color according to customer needs
Frame	Anodized aluminum profile, Color according to customer needs
Junction Box	Rated current:16A, IP67, TUV&UL
Cable	1x4mm ² , The cable length is based on customer needs
Connector	1. Genuine MC4 2. QC4.10-35 (manufactured by QC solar) 3. MH5 (manufactured by Ningbo Minghe)

Temperature Characteristics	
NMOT	45°C (±2°C)
Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Isc	0.058%/°C
Temperature Coefficient of Pm	-0.40%/°C

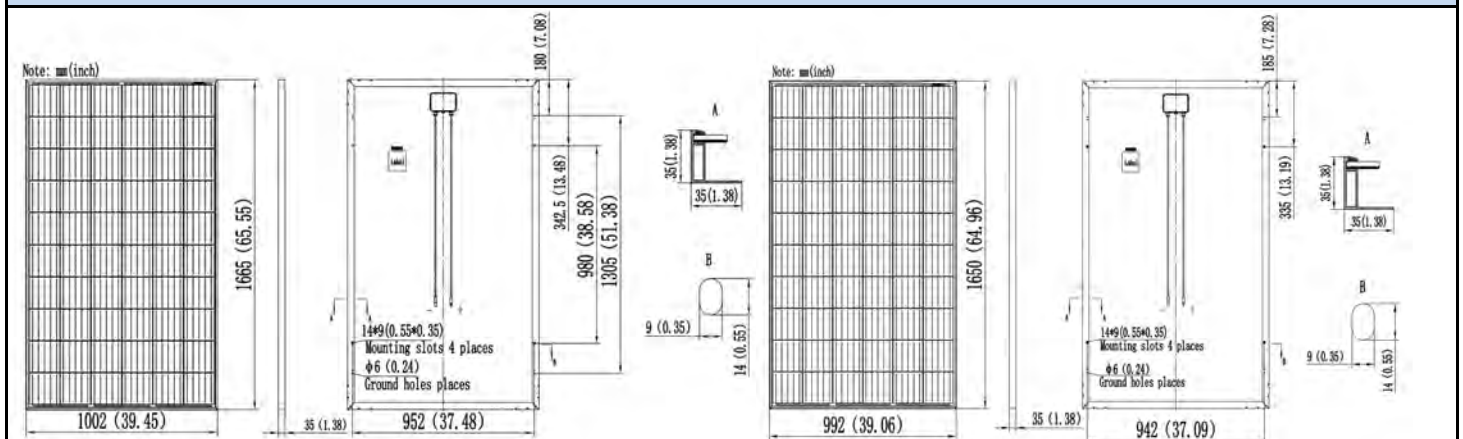
Maximum Ratings Parameter	
Maximum System Voltage [V]	DC 1000(IEC); DC1000(UL)
Maximum Fuse Rated Current [A]	20
Maximum Surface Load Capacity [Pa]	5,400
Operating Temperature [°C]	- 40 to + 85
Withstanding Hail	Maximum diameter of 25mm with impact speed of 23m·s ⁻¹
Fire class rating	Class C

Other Characteristics	
Packaging	31pcs/box; 28box/40' container, 868pcs/40' container; 6box/20' container, 186pcs/20' container
Warranty	15 year Product Workmanship Warranty 25 year Linear Power Warranty

I-V Curves



Dimensions



Manufactured in China


 IEC 61215
 IEC 61730
 Regular Production
 Surveillance
 www.tuv.com
 ID: 1419071425

Declaration: With the technical progress and product updates, there exists a deviation between the technical parameter of the TW Solar's late products and the technical parameter in this specification. The TW Solar reserves the right to adjust the technical parameter at any time without notifying the customers. TW Solar has the ultimate power of interpretation to this technical specification.