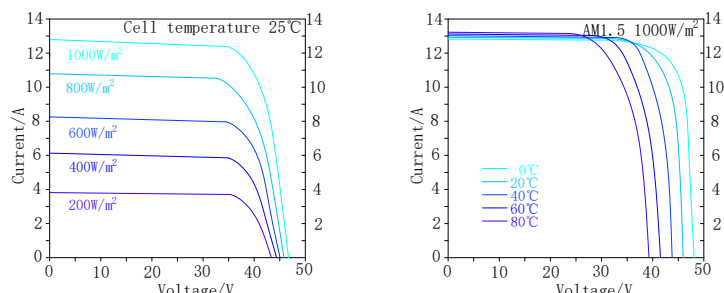
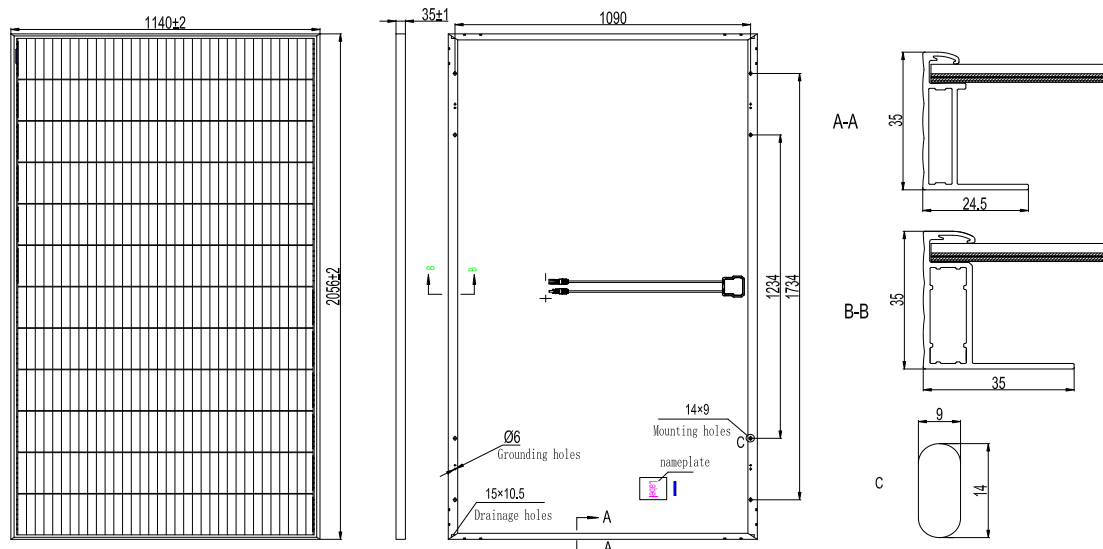


Specification of THxxxPM5-72SB Monocrystalline PERC shingled solar module

Electrical Characteristics at Standard Test Conditions(STC)							Temperature Characteristics	
Module Type:TH *** PM5-72SB	490	485	480	475	470	465	NMOT	42.3°C (±2°C)
Maximum Power-Pm [W]	490	485	480	475	470	465	Temperature Coefficient of Voc	-0.27%/°C
Open Circuit Voltage-Voc [V]	46.7	46.6	46.6	46.5	46.4	46.3	Temperature Coefficient of Isc	0.04%/°C
Short Circuit Current-Isc [A]	13.28	13.22	13.16	13.10	13.04	12.96	Temperature Coefficient of Pm	-0.34%/°C
Maximum Power Voltage-Vm [V]	38.9	38.8	38.8	38.7	38.6	38.5	Maximum Ratings	
Maximum Power Current-Im [A]	12.60	12.50	12.37	12.27	12.18	12.08	Maximum System Voltage [V]	DC 1500(IEC); DC 1500(UL)
Module Efficiency-η [%]	20.9	20.7	20.5	20.3	20.1	19.8	Series Fuse Rating [A]	20
Electrical Characteristics at NMOT							Other Characteristics	
Maximum Power-Pm [W]	369	365	361	358	354	350	Maximum Surface Load Capacity [Pa]	5,400
Open Circuit Voltage-Voc [V]	44.5	44.4	44.4	44.3	44.2	44.1	Temperature Range [°C]	- 40 to + 85
Short Circuit Current-Isc [A]	10.72	10.67	10.62	10.57	10.52	10.46	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s ⁻¹
Maximum Power Voltage-Vm [V]	37.1	37.0	37.0	36.9	36.8	36.7	Fire class rating	Class C
Maximum Power Current-Im [A]	9.95	9.87	9.77	9.69	9.62	9.54		
Note: 1. Standard Test Conditions [STC]: irradiance 1000 W/m ² ; AM 1.5; ambient temperature 25°C according to EN 60904-3; 2. Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m ² ; 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%.							Packaging	31 pcs/box;682pcs/40'container;992pcs/flat car
							Warranty	15 years Product Workmanship Warranty 25 years limited warranty on Power Output , the first year of power loss will be within 2%, and it will maintain loss within 0.55% annually from the 2 nd to the 25 th year . The last year power output is not less than 84.8%.
Mechanical Characteristics							I-V curve	
Dimensions	2056×1140×35mm (L×W×H)							
Weight	25kg							
Front Glass	White toughened safety glass, 3.2mm							
Encapsulation	EVA							
Cells	PERC Mono-crystalline 166×166mm							
Back Sheet	high weatherability backsheet							
Frame	Anodized aluminum profile							
Junction Box	Rated current: 20A, IP67, TUV&UL							
Cable	Length 1200mm, 1×4mm ²							
Connector	Genuine MC4 evo2							

Drawing



Manufactured in China

Declaration:With the technical progress and product updates,there exists a deviation between the technical parameter of the TW Solar's future 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 reserves the final right of interpretation.