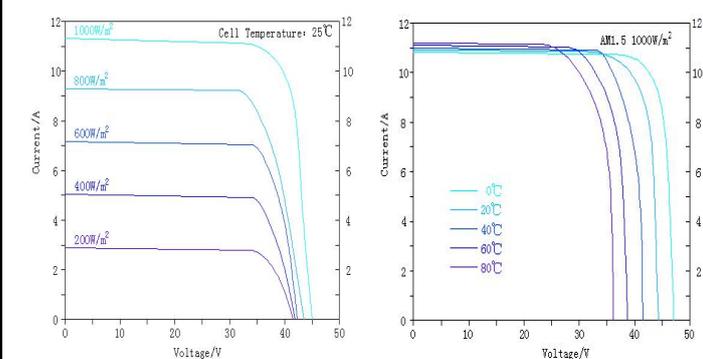
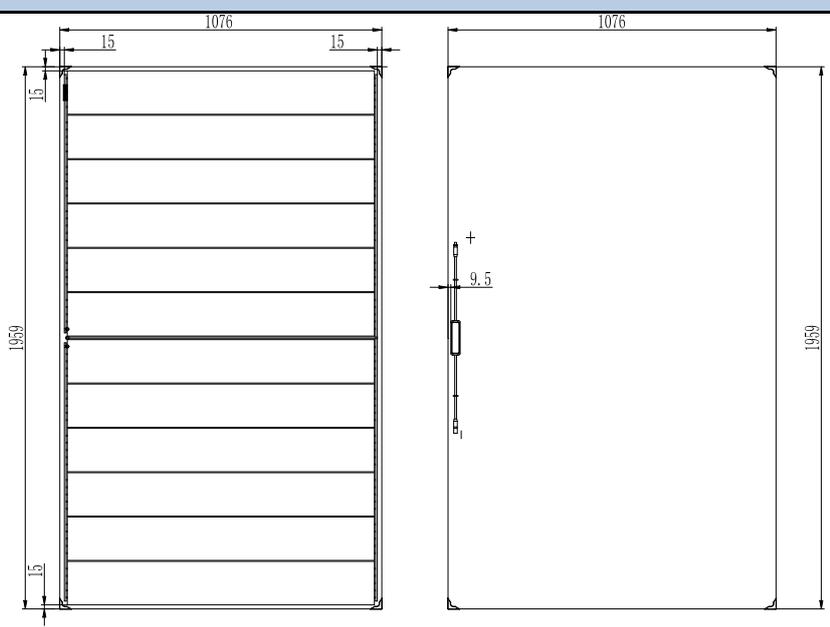


## Specification of TH400PMB5-72SD Monocrystalline PERC shingled solar module-Positive power

Electrical Characteristics at Standard Test Conditions(STC)							Temperature Characteristics		
Module Type:TH *** PMB5-72SD	415	410	405	400	395	390	NMOT	42.3°C ( ±2°C )	
Maximum Power-Pm [W]	415	410	405	400	395	390	Temperature Coefficient of Voc	-0.30%/°C	
Open Circuit Voltage-Voc [V]	45.4	45.3	45.3	45.2	45.2	45.1	Temperature Coefficient of Isc	0.05%/°C	
Short Circuit Current-Isc [A]	11.47	11.43	11.39	11.35	11.31	11.27	Temperature Coefficient of Pm	-0.43%/°C	
Maximum Power Voltage-Vm [V]	37.6	37.5	37.4	37.3	37.2	37.1			
Maximum Power Current-Im [A]	11.04	10.93	10.83	10.72	10.62	10.51	<b>Maximum Ratings</b>		
Module Efficiency-η [%]	19.3	19.1	18.9	18.6	18.4	18.2	Maximum System Voltage [V]	DC 1500(IEC)	
<b>Electrical Characteristics at NMOT</b>							Series Fuse Rating [A]	20	
Maximum Power-Pm [W]	307	304	300	296	292	289	Maximum Surface Load Capacity [Pa]	5,400	
Open Circuit Voltage-Voc [V]	43.0	42.9	42.9	42.9	42.9	42.8	Temperature Range [°C]	- 40 to + 85	
Short Circuit Current-Isc [A]	9.26	9.22	9.19	9.16	9.13	9.09	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s <sup>-1</sup>	
Maximum Power Voltage-Vm [V]	35.6	35.6	35.5	35.4	35.3	35.2			
Maximum Power Current-Im [A]	8.62	8.54	8.46	8.38	8.29	8.21	<b>Other Characteristics</b>		
Note: 1. Standard Test Conditions [STC]: irradiance 1000W/m <sup>2</sup> ; AM 1.5; ambient temperature 25°C according to EN 60904-3; 2. Nominal Module Operating Temperature (NMOT): Irradiance 800W/m <sup>2</sup> ; 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	30 pcs/box;660pcs/40'container;960pcs/flat car	
							Warranty	10 year Product Workmanship Warranty 30 year Linear Power Warranty	
<b>Mechanical Characteristics</b>							<b>I-V Curve</b>		
Dimensions	1959×1076×6mm (L×W×H) ( except junction box )								
Weight	30.0kg								
Front Glass	AR coating tempered glass, 2.5mm								
Encapsulation	POE								
Cells	6" Bifacial PERC Mono Solar Cells(in increment of 5)								
Back Sheet	tempered glass, 2.5mm								
Frame	No Frame								
Junction Box	Rated current:18A, IP67 , TUV&UL								
Cable	Length 1200mm, 1×4mm <sup>2</sup>								
Connector	PV-KST4-EVO2/xy_UR、 PV-KBT4-EVO2/xy_UR+Staubli; PV-ZH202B+Zhonghuan.								
<b>Drawing</b>							<b>Certificates</b>		
							   		
<b>Declaration:</b> 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. Manufactured in China									