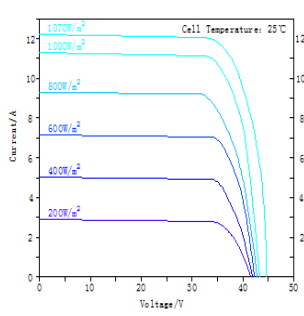
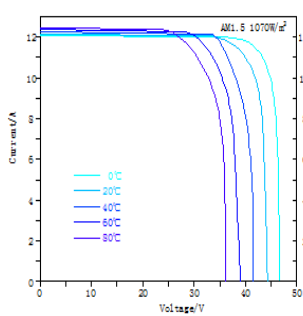
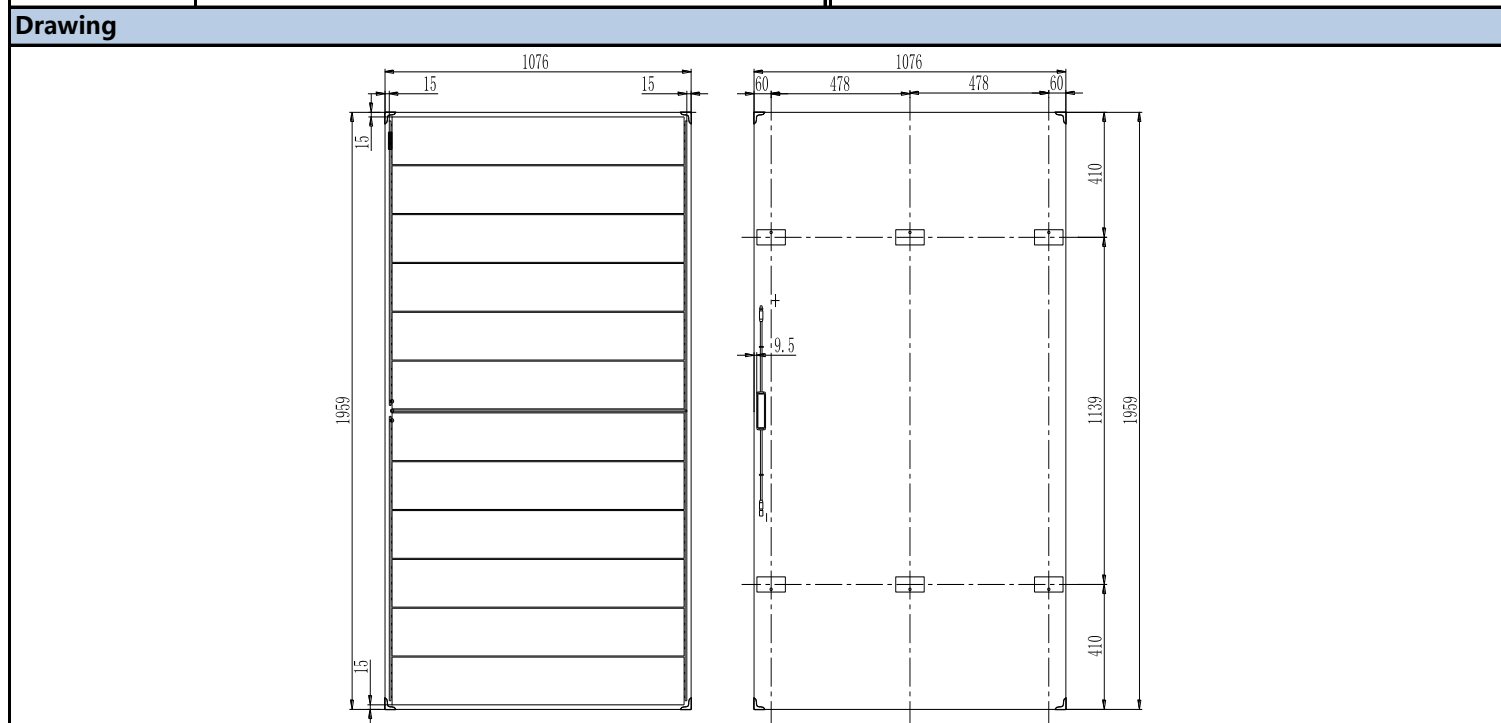


# Specification of TH430PMB5-72SD Monocrystalline PERC shingled solar module-Integrated power

Electrical Characteristics at Standard Test Conditions(STC)							Temperature Characteristics		
Module Type:TH430PMB5-72SD	440	435	430	425	420	415	NMOT	42.3°C (±2°C)	
Maximum Power-Pm [W]	440	435	430	425	420	415	Temperature Coefficient of Voc	-0.30%/°C	
Open Circuit Voltage-Voc [V]	45.7	45.6	45.5	45.4	45.3	45.2	Temperature Coefficient of Isc	0.05%/°C	
Short Circuit Current-Isc [A]	12.27	12.23	12.19	12.14	12.10	12.06	Temperature Coefficient of Pm	-0.43%/°C	
Maximum Power Voltage-Vm [V]	37.8	37.7	37.6	37.5	37.4	37.3	<b>Maximum Ratings</b>		
Maximum Power Current-Im [A]	11.64	11.54	11.44	11.33	11.23	11.13	Maximum System Voltage [V]	DC 1500/1000(IEC); DC 1000(U.I.V)	
Module Efficiency-η [%]	20.9	20.6	20.4	20.2	19.9	19.7	Series Fuse Rating [A]	20	
<b>Electrical Characteristics at NMOT</b>							Maximum Surface Load Capacity [Pa]	5,400	
Maximum Power-Pm [W]	326	322	318	315	311	307	Temperature Range [°C]	- 40 to + 85	
Open Circuit Voltage-Voc [V]	43.3	43.2	43.1	43.0	42.9	42.9	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s <sup>-1</sup>	
Short Circuit Current-Isc [A]	9.90	9.87	9.83	9.80	9.77	9.73	<b>Other Characteristics</b>		
Maximum Power Voltage-Vm [V]	35.8	35.7	35.6	35.6	35.5	35.4	Packaging	30 pcs/box;660pcs/40'container;960pcs/flat car	
Maximum Power Current-Im [A]	9.09	9.01	8.93	8.85	8.77	8.69	Warranty	10 year Product Workmanship Warranty 30 year Linear Power Warranty	
Note: 1. Standard Test Conditions [STC]: irradiance= (1+0.1BiFi) 1000W/m²,BiFi=0.7; AM 1.5; ambient temperature 25°C according to EN 60904-3; 2. Nominal Module Operating Temperature (NMOT): Irradiance= (1+0.1BiFi) 800W/m²,BiFi=0.7; 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%.							<b>I-V 曲线</b>		
<b>Mechanical Characteristics</b>							 		
Dimensions	1959×1076×6mm (L×W×H) (except junction box)								
Weight	31.0kg								
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, 1×4mm²								
Connector	Compatible with MC4								



**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.