


**Specification of TH335PM5-60S Monocrystalline PERC shingled solar module (All Black)**


Shingled vs Standard

The monocrystalline cells are shingled. This means that the surface is used more efficiently and more sunlight can be reached.

 High output

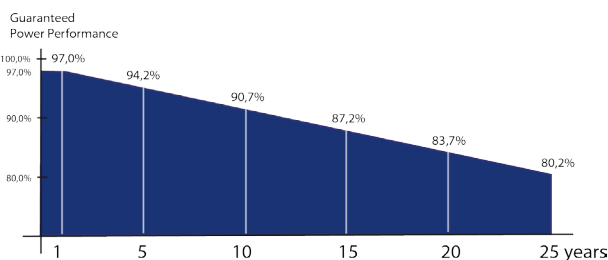
+ 15% more output

 System cost reduced

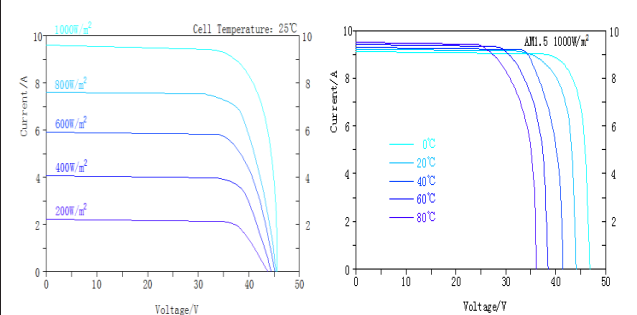
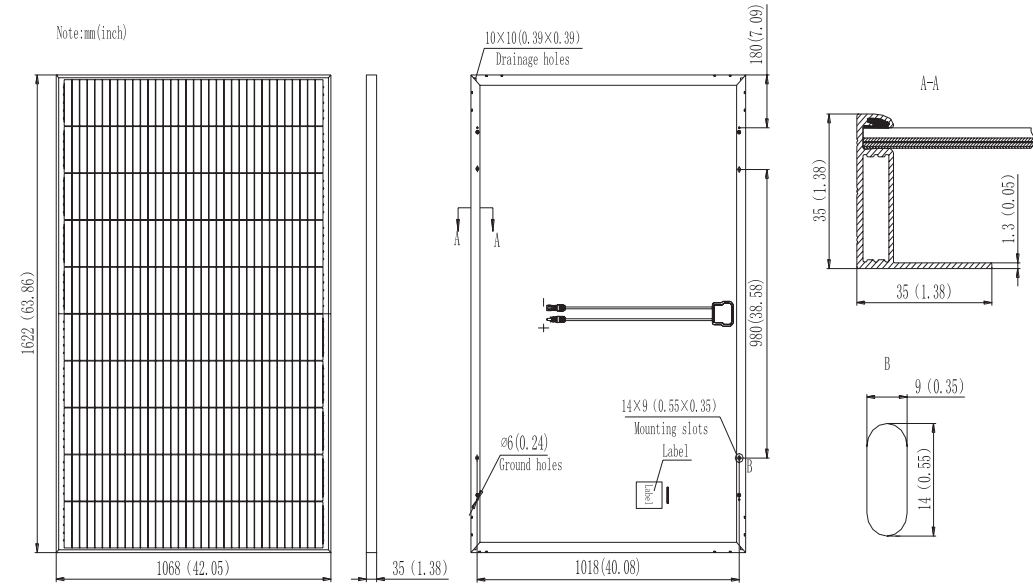
10% Reduction in BOS and installation cost

 Aesthetically pleasing

Uniform cell layout and symmetric module design



## Specification of TH335PM5-60S Monocrystalline PERC shingled solar module (All Black)

Electrical Characteristics at Standard Test Conditions(STC)							Temperature Characteristics		
Module Type:TH <u>  </u> PM5-60S	340	335	330	325	320	315	NMOT	42.3°C ( ±2°C )	
Maximum Power-Pm [W]	340	335	330	325	320	315	Temperature Coefficient of Voc	-0.31%/°C	
Open Circuit Voltage-Voc [V]	45.2	45.2	45.1	45.1	45.0	44.9	Temperature Coefficient of Isc	0.05%/°C	
Short Circuit Current-Isc [A]	9.51	9.49	9.45	9.42	9.39	9.36	Temperature Coefficient of Pm	-0.40%/°C	
Maximum Power Voltage-Vm [V]	37.4	37.3	37.2	37.1	37.0	36.9	<b>Maximum Ratings</b>		
Maximum Power Current-Im [A]	9.09	8.98	8.87	8.76	8.65	8.54	Maximum System Voltage [V]	DC 1500/1000(IEC); DC 1000(UL)	
Module Efficiency-η [%]	19.6	19.3	19.0	18.8	18.5	18.2	Series Fuse Rating [A]	20	
<b>Electrical Characteristics at NMOT</b>							Maximum Surface Load Capacity [Pa]	5,400	
Maximum Power-Pm [W]	253	249	246	242	238	235	Temperature Range [°C]	- 40 to + 85	
Open Circuit Voltage-Voc [V]	42.8	42.8	42.7	42.7	42.6	42.5	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s <sup>-1</sup>	
Short Circuit Current-Isc [A]	7.68	7.66	7.63	7.61	7.58	7.56	<b>Other Characteristics</b>		
Maximum Power Voltage-Vm [V]	35.4	35.3	35.2	35.1	35.0	34.9	Packaging	30 pcs/box; 840 pcs/40'container;1440pcs/flat car	
Maximum Power Current-Im [A]	7.15	7.07	6.98	6.89	6.81	6.72	Warranty	12 year Product Workmanship Warranty	
<b>Mechanical Characteristics</b>							<b>I-V Diagram</b>		
Dimensions	1622×1068×35 mm (L×W×H)								
Weight	19.8kg								
Front Glass	White toughened safety glass, 3.2mm								
Encapsulation	EVA								
Cells	6" PERC Mono-crystalline silicon solar cells ( in increment of 5 )								
Back Sheet	co-extrusion backsheet ( Black )								
Frame	Anodized aluminum profile ( Black )								
Junction Box	Rated current:15A, IP67, TUV&UL								
Cable	Length 1000mm, 1×4mm <sup>2</sup>								
Connector	MC4 Original								
<b>Drawing</b>									
Note:mm (inch)									
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.									