



MACRO-SOLAR

MS-M-170W/175W/180W

Cells	
Cell Technology	Monocrystalline silicon
Number of cells per module	72
Cell dimensions	125x125mm

Mechanical Data	
Dimension of the module L x W x H	1572x810x50mm
Weight	16.2kg

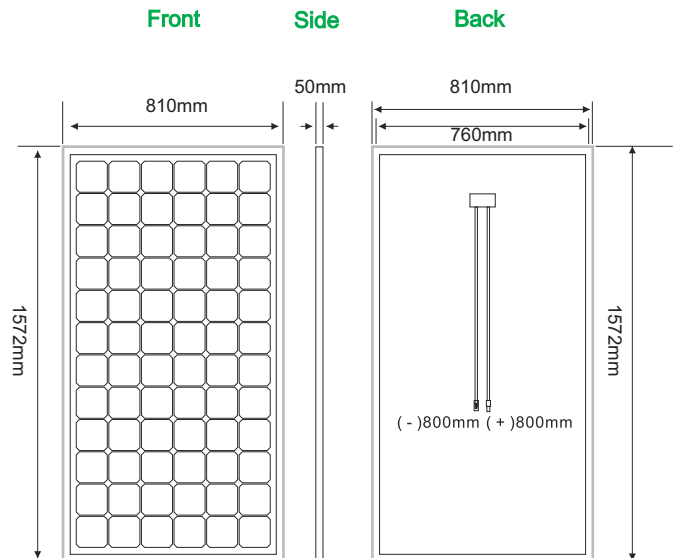
Electrical data			
	MS-M-170W	MS-M-175W	MS-M-180W
Maximum power	170W	175W	180W
Open Circuit Voltage	43.20V	43.20V	43.20V
Maximum power point voltage	34.56V	34.56V	34.56V
Short circuit current	5.18A	5.33A	5.48A
Maximum power point current	4.92A	5.07A	5.21A

* At Standard Conditions (STC) Irradiance 1000 watt/m², spectrum AM 1,5 at a cell temperature of 25°C.

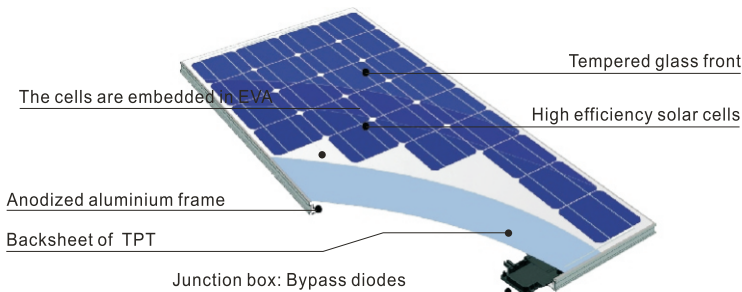
Thermal data	
NOCT	47°C ± 2°C
Temperature Coefficient of V _{oc}	- (90 ± 5) mV / °C
Temperature Coefficient of I _{sc}	+ (0.065 ± 0.015) % / °C
Temperature Coefficient of Power	- (0.5 ± 0.05) % / °C

*NOCT: Normal Operational Temperature in Celsius

Additional data	
Junction box type	(TUV)
Cable type	(TUV)
Output tolerance	+(-)3%
Frame material	Anodized aluminium
Front glass	3.2mm tempered glass
By-pass diodes	3 pieces



Module Construction



Characteristics Curve

CELL TEMP. 25°C

