



MACRO-SOLAR

MS-M-75W/80W/85W

Cells

Cell Technology	Monocrystalline silicon
Number of cells per module	36
Cell dimensions	125x125mm

Mechanical Data

Dimension of the module L x W x H	1191x556x35mm
Weight	7.0kg

Electrical data

	MS-M-75W	MS-M-80W	MS-M-85W
Maximum power	75W	80W	85W
Open Circuit Voltage	21.60V	21.60V	21.60V
Maximum power point voltage	17.28V	17.28V	17.28V
Short circuit current	4.57A	4.87A	5.18A
Maximum power point current	4.34A	4.63A	4.95A

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

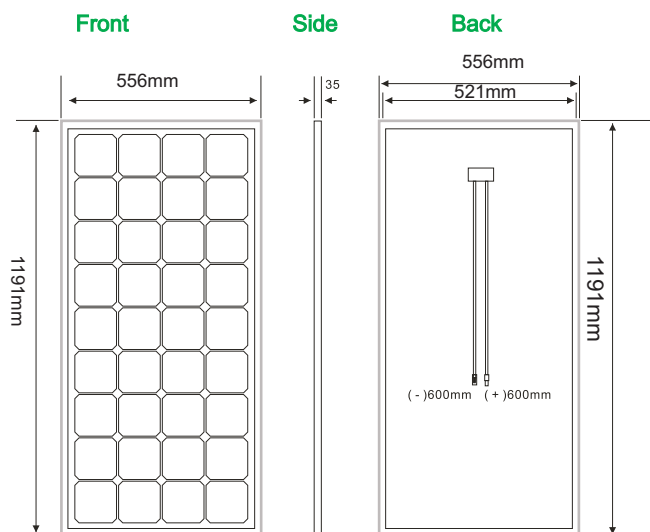
Thermal data

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

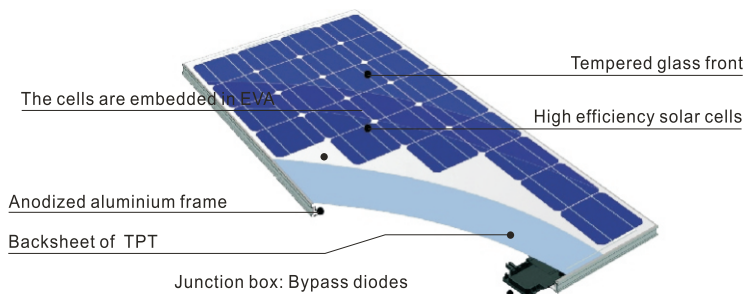
*NOCT: Normal Operational Temperature in Celsius

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	2 pieces



Module Construction



Characteristics Curve

