



MACRO-SOLAR

MS-M-150W/155W/160W

Cells

Cell Technology	Monocrystalline silicon
Number of cells per module	66
Cell dimensions	125x125mm

Mechanical Data

Dimension of the module L x W x H	1445x810x35mm
Weight	14.5kg

Electrical data

	MS-M-150W	MS-M-155W	MS-M-160W
Maximum power	150W	155W	160W
Open Circuit Voltage	39.60V	39.60V	39.60V
Maximum power point voltage	31.68V	31.68V	31.68V
Short circuit current	4.99A	5.15A	5.32A
Maximum power point current	4.74A	4.89A	5.05A

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

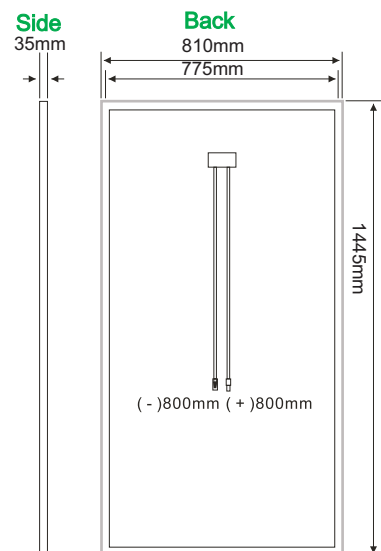
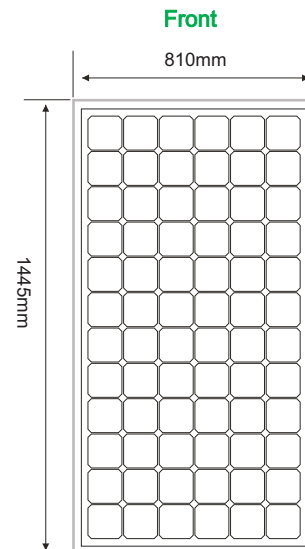
Thermal data

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

