



MACRO-SOLAR

MS-P-60W/65W/70W

Cells	
Cell Technology	Polycrystalline silicon
Number of cells per module	36
Cell dimensions	156x78mm

Mechanical Data	
Dimension of the module L x W x H	678x768x35mm
Weight	6.5kg

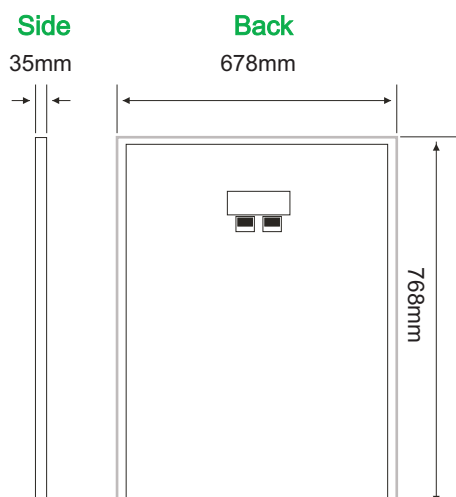
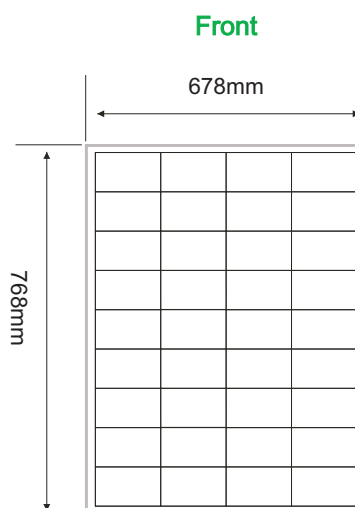
Electrical data			
	MS-P-60W	MS-P-65W	MS-P-70W
Maximum power	60W	65W	70W
Open Circuit Voltage	21.60V	21.60V	21.60V
Maximum power point voltage	17.28V	17.28V	17.28V
Short circuit current	3.68A	3.96A	4.27A
Maximum power point current	3.48A	3.77A	4.05A

* 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	2 pieces



Module Construction

