



# MACRO-SOLAR

## MS-P-260W/270W/280W

### Cells

Cell Technology	Polycrystalline silicon
Number of cells per module	72
Cell dimensions	156x156mm

Dimension of the module L x W x H	1944x996x50mm
Weight	22.0kg

### Electrical data

	MS-P-260W	MS-P-270W	MS-P-280W
Maximum power	260W	270W	280W
Open Circuit Voltage	43.20V	43.20V	43.20V
Maximum power point voltage	34.56V	34.56V	34.56V
Short circuit current	7.92A	8.22A	8.53A
Maximum power point current	7.53A	7.81A	8.10A

\* At Standard Conditions (STC) Irradiance 1000 watt/m<sup>2</sup>, spectrum AM 1,5 at a cell temperature of 25°C.

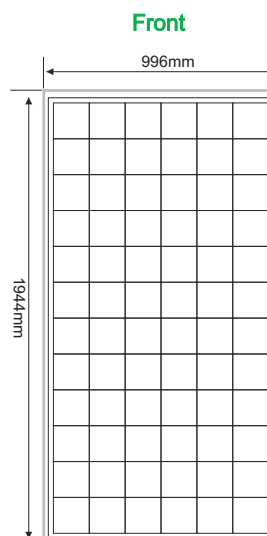
### Thermal data

NOCT	47°C ± 2°C
Temperature Coefficient of V <sub>oc</sub>	- (90 ± 5) mV / °C
Temperature Coefficient of I <sub>sc</sub>	+ (0.065 ± 0.015) % / °C
Temperature Coefficient of Power	- (0.5 ± 0.05) % / °C

\*NOCT: Normal Operational Temperature in Celsius

### Additional data

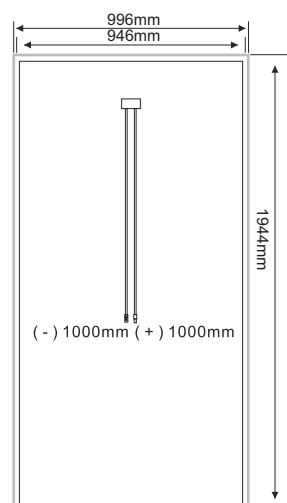
Junction box type	(TUV)
Cable type	(TUV)
Output tolerance	+(-)3%
Frame material	Anodized aluminium
Front glass	3.2mm tempered glass
By-pass diodes	2 pieces



### Side

50mm

### Back



### Module Construction

