



# Mono-Crystalline Solar Panels

## 72 Cell Modules

**Electrical Data**<sup>1,2</sup> All data refers to STC (AM 1.5, 1000W/m<sup>2</sup>, 25°C)

Peak Power P <sub>max</sub> (Wp)	390
Maximum Voltage V <sub>mpp</sub> (V)	41.1
Maximum Current I <sub>mpp</sub> (A)	9.51
Open Circuit Voltage V <sub>oc</sub> (V)	49.3
Short Circuit Current I <sub>sc</sub> (A)	9.98
Module Efficiency (%)	19.99

- 1) STC: 1000 W/m<sup>2</sup> irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3. Average relative efficiency reduction of 5% at 200 W/m<sup>2</sup> according to EN 60904-1.  
 2) Power measurement uncertainty is within +/- 3%.

### Electrical Parameters at NOCT<sup>2</sup>

Power (W)	294
V@P <sub>max</sub> (V)	39.2
I@P <sub>max</sub> (A)	7.53
V <sub>oc</sub> (V)	47.9
I <sub>sc</sub> (A)	7.99

- 2) NOCT irradiance 800 W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1 m/sec.

### Temperature Coefficients (Tc) permissible operating conditions

Tc of Open Circuit Voltage (β)	-0.29%/C
Tc of Short Circuit Current (α)	0.048%/C
Tc of Power (γ)	-0.37%/C
Maximum System Voltage	1000V
NOCT	45C+/-2C
Temperature Range	-40C TO +85C

### Mechanical Data

Length x Width x Height	1970 x 989 x 35mm
Weight	22Kgs
Junction Box	1P67, 3 By Pass Diodes
Cable & Connectors	1000mm Length Mc4 Connectors
Application Class	Class A (Safety Class II)
Superstrate	3.2mm High Transmission Low Iron Tempered Glass, AR Coated
Cells	72 Cells, 5BB Cells, Mono PERC
Cell Encapsulant	EVA
Back Sheet	PET
Frame	Anodized Al Alloy Type 6063
Mechanical Load Test	5400 PA

## Dimensions in mm

