



## AS-6P18 Solar Module

### Electrical Characteristics

Electrical parameters at STC		
Nominal Power ( $P_{max}$ )	55W	60W
Open Circuit Voltage ( $V_{oc}$ )	21.8V	22.2V
Short Circuit Current ( $I_{sc}$ )	3.48A	3.66A
Voltage at Nominal Power ( $V_{mp}$ )	17.4V	17.8V
Current at Nominal Power ( $I_{mp}$ )	3.17A	3.38A

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

### Mechanical Characteristics

Cell type	Polycrystalline
Number of cells	36 (4x9)
Module dimension	630x670x25mm
Weight	5kg
Front cover	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP65
Cable	2.5mm <sup>2</sup> , 500mm
Connector	MC4 compatible

### Temperature Characteristics

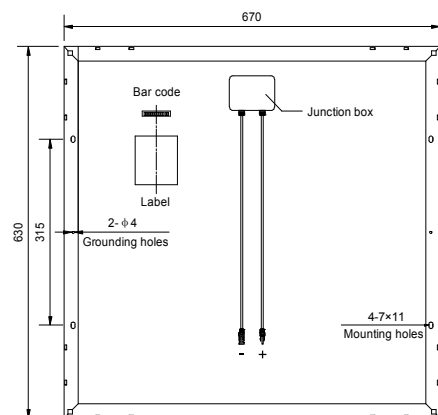
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of $P_{max}$	-0.43%/°C
Temperature Coefficients of $V_{oc}$	-0.33%/°C
Temperature Coefficients of $I_{sc}$	0.056%/°C

### Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	5A

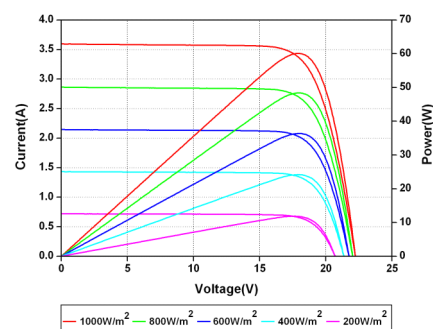
Specifications in this datasheet are subject to change without prior notice.

### Drawings

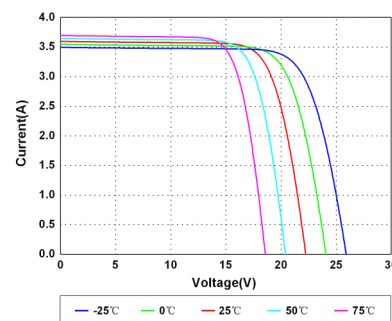


Unit: mm

### I-V Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

