

# AS-6P18 Solar Module

## Electrical Characteristics

Electrical parameters at STC			
Nominal Power ( $P_{max}$ )	80W	85W	90W
Open Circuit Voltage ( $V_{oc}$ )	22.0V	22.2V	22.4V
Short Circuit Current ( $I_{sc}$ )	5.00A	5.20A	5.40A
Voltage at Nominal Power ( $V_{mp}$ )	17.6V	17.8V	18.0V
Current at Nominal Power ( $I_{mp}$ )	4.55A	4.78A	5.00A

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	910x670x35mm
Weight	7.2kg
Front cover	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP65
Cable	2.5mm <sup>2</sup> , 900mm
Connector	MC4 compatible

## Temperature Characteristics

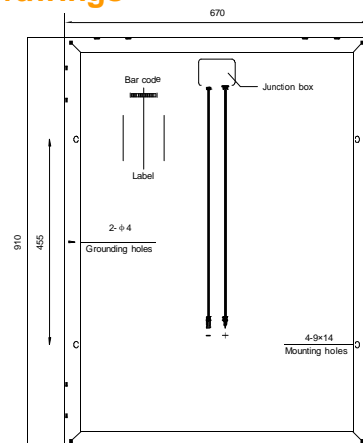
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of $P_{max}$	-0.43%/°C
Temperature Coefficients of $V_{oc}$	-0.33%/°C
Temperature Coefficients of $I_{sc}$	0.056%/°C

## Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	10A

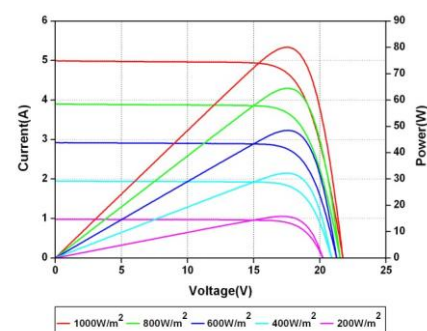
Specifications in this datasheet are subject to change without prior notice.

## Drawings

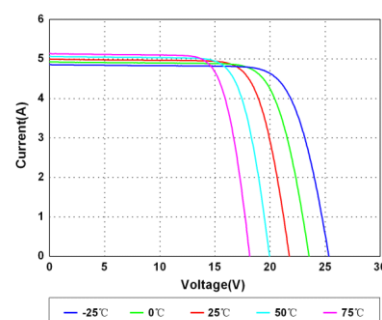


Unit: mm

## I-V Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

