



AS-6P18 Solar Module

Electrical Characteristics

Electrical parameters at STC		
Nominal Power (P_{max})	25W	30W
Open Circuit Voltage (V_{OC})	22.4V	22.8V
Short Circuit Current (I_{SC})	1.48A	1.72A
Voltage at Nominal Power (V_{mp})	18.0V	18.4V
Current at Nominal Power (I_{mp})	1.39A	1.64A

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

Mechanical Characteristics

Cell type	Polycrystalline 156x26mm
Number of cells	36 (2x18)
Module dimension	556x355x25mm
Weight	2.3kg
Front cover	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP65
Cable	2.5mm ² , 500mm
Connector	MC4 compatible (Optional)

Temperature Characteristics

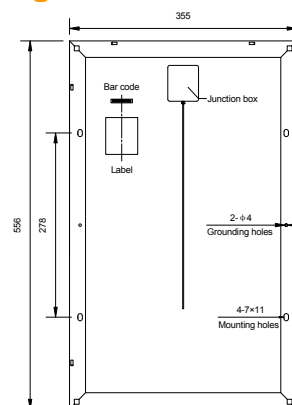
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.41%/°C
Temperature Coefficients of V_{OC}	-0.31%/°C
Temperature Coefficients of I_{SC}	0.05%/°C

Maximum Ratings

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

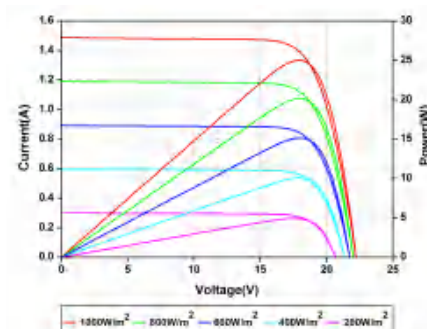
Specifications in this datasheet are subject to change without prior notice.

Drawings

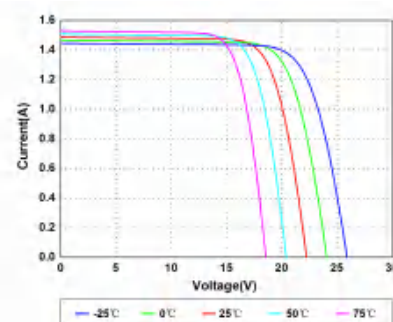


Unit: mm

I-V Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

