

PV120POLY Solar Module

Electrical Characteristics

Electrical parameters at STC	
Nominal Power (P_{max})	120W
Open Circuit Voltage (V_{oc})	22.4V
Short Circuit Current (I_{sc})	7.24A
Voltage at Nominal Power (V_{mp})	18.0V
Current at Nominal Power (I_{mp})	6.67A

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

Mechanical Characteristics

Cell type	Polycrystalline 156x124.8mm
Number of cells	36 (4x9)
Module dimension	46.9"x26.4"x1.4"
Weight	21 lbs
Front cover	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP65
Cable	4mm ² , 900mm
Connector	MC4 or MC4 compatible
Standard packaging	6 pcs/pallet
Module quantity per container	576pcs/20'GP

Temperature Characteristics

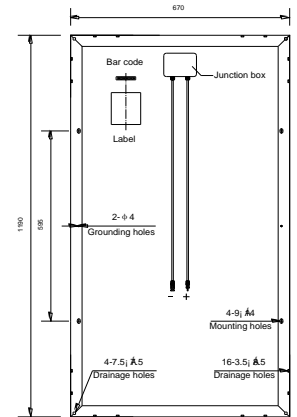
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.43%/°C
Temperature Coefficients of V_{oc}	-0.33%/°C
Temperature Coefficients of I_{sc}	0.056%/°C

Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	12A

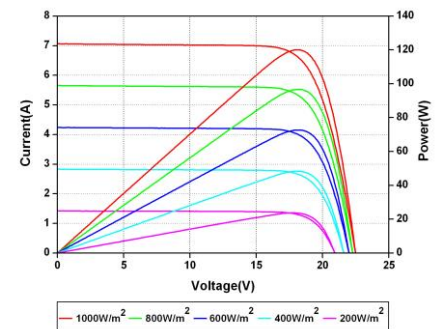
Specifications in this datasheet are subject to change without prior notice.

Drawings

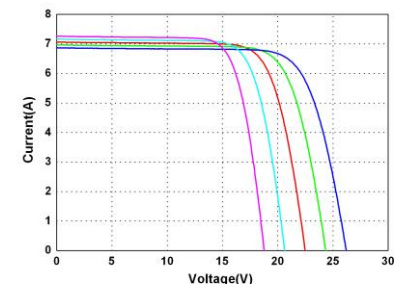


Unit: mm

I-V Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

