



Datasheet

Polycristaline PV Module

80 - 100 - 150w 36 células. 12v

100 - 150W 36 células

ELECTRICAL SPECIFICATIONS	80W	100W	150W
STC rated output (P_{mpp})*	80 Wp	100 Wp	150 Wp
Standard sorted output		±-3% Wp	
Warranted power output STC ($P_{nominal}$)	80W 12V	100W 12V	150W 12V
Rated voltage (V_{mpp}) at STC	17,64 V	17,64 V	17,64 V
Rated current (I_{mpp}) at STC	4,54A	5,67A	8,5A
Open Circuit Voltage (V_{oc})	21,6 V	21,6 V	21,6 V
Short circuit current (I_{sc}) at STC	4,85A	6,07A	9,10A

MECHANICAL SPECIFICATIONS

Weight	7,5 Kg	9,25 Kg	13,50 Kg
Module dimensions	(830x675x33mm)	(1000x675x33mm)	(1485x675x33mm)
Cell Arrangement		36 (9x4)	
Front Cover		3,2mm	
Encapsulate		EVA	
Black Cover		Composure Sheet	
Juntion box		3 terminal	
Frame	Silver Matt Finished Anodized Frame, Anodizing Coating Thickness		
Module composition	Glass / EVA / Backsheet (white)		

* Maximum System Voltage: 1000V (IEC), 600V (UL)

* Measurement Power Tolerance on Power +/- 3%

* Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C

* Nominal Operating Cell Temperature (NOCT) of irradiance of 800W/m², spectrum AM 1.5 and ambient temperature of 20°C

* Temp. Coefficients: Current (alpha) (0.060%/°C)

Voltage (beta) (-0.35%/°C)

Power (Gamma) (-0.45%/°C)

* Temperature Cycling Range: (-40°C to +85°C)

* Humidity Freeze. Damp Heat: 85% RH

