



Datasheet Polycrystalline PV Module SS10-20-50w

Small modules for big things

10-20-50W

ELECTRICAL SPECIFICATIONS	10W	20W	50W
STC rated output (P_{mpp})*	10 Wp	20 Wp	50 Wp
Standard sorted output	+3% Wp	+3% Wp	+3% Wp
Warranted power output STC ($P_{nominal}$)	10 Wp	20 Wp	50 Wp
Rated voltage (V_{mpp}) at STC	17,64 V	17,64 V	17,64 V
Rated current (I_{mpp}) at STC	0,57 A	1,13 A	2,83 A
Open Circuit Voltage (V_{oc})	21,6 V	21,6 V	21,6 V
Short circuit current (I_{sc}) at STC	0,61 A	1,20 A	3,04 A

MECHANICAL SPECIFICATIONS

Weight	1,25 Kg	2,19 Kg	5,50 Kg
Module dimensions	(365x245x17mm)	(365x450x17mm)	(630x675x33mm)
Cell Arrangement	36 (9x4)	36 (9x4)	36 (9x4)
Front Cover	3.2mm Templed Glass	3.2mm Templed Glass	3.2mm Templed Glass
Encapsulate	EVA	EVA	EVA
Black Cover	Composure Sheet	Composure Sheet	Composure Sheet
Juntion box	2 terminal water proof nylon	2 terminal water proof nylon	3 terminal water proof nylon
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

