

Photovoltaic Crystalline Module



SUNTASTIC SOLAR SYSTEMS PVT LTD



Suntastic Solar Systems Pvt Ltd is a Fast-growing company where fully dedicated for solar energy solutions formed by an organization whose members have over a decade of experience, expertise & Well-known educational institutional (Schools, Polytechnic, Arts, Engineering, Medical Colleges, Hospitals & Constructions) background for past 15 Years.

Our manufacturing unit equipped fully automated facility with Hi tech and latest machines. Our production capacity is 25 MWp. Our PV modules range from 25 Wp to 325 Wp in mono and multi series. Our high performance modules cater the international customers and large scale EPC developers.

► FEATURES - PERFORMANCE & QUALITY



Excellent Low Light Response
Excellent performance in low-light environments.



Greater Temperature Coefficient
Greater energy yield in typical field operating temperatures



Wide Range Modules
Modules avail from 25 Wp to 325 Wp



High rated Solar Modules
High rated solar modules reduce the quantity of solar modules & reduce the installation & other BOS cost



More Power
2.5 % Positive tolerance modules



Multi-Level Tested Modules
Cell Test, Layout Test, Double EL Test, Mirror Test, Simulator Test, Manual Test



High Fill Factor
Improved energy conversion efficiency



Superior Quality Raw Materials
4/5 bus bar high efficient cells, Anti-reflective coated glass, IP67 rated junction box, Torsion & corrosion resistant with anodized aluminium frame, Unique back sheet

TECHNICAL DATA & SPECIFICATIONS OF POLY CRYSTALLINE

Parameters	SSP- 025	SSP- 050	SSP- 075	SSP- 100
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Electrical Parameters (@ STC: 1000 W/m²; 25 °c; 1.5 AM; 1 m/s)

Wattage (Wp)	25 Wp	50 Wp	75 Wp	100 Wp
Open Circuit Voltage (Voc)	21.5 V	21.5 V	21.5 V	21.5 V
Short Circuit Current (Isc)	1.61 A	3.25 A	4.79 A	6.12 A
Maximum power point voltage (Vmp)	17.1 V	17.4 V	17.4 V	17.4 V
Maximum power point current (Imp)	1.51 A	2.96 A	4.40 A	5.92 A
Module Efficiency (η)	12.9 %	14.01 %	14.6 %	14.7 %
Maximum System Voltage	1000 V	1000 V	1000 V	1000 V
Limiting Reverse Current	12 A	12 A	12 A	12 A

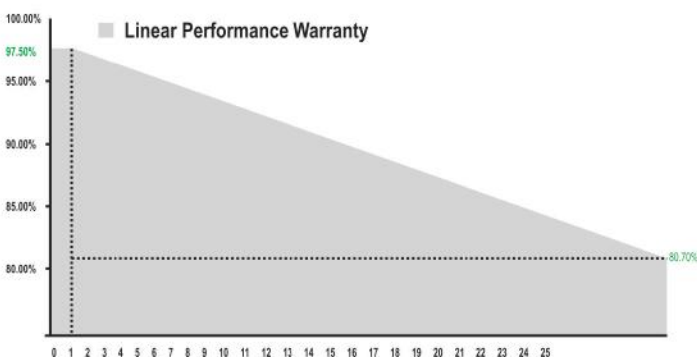
Mechanical Parameters

Number of cells	36	36	36	36
Cell Configuration	2x18	4x9	9x4	9x4
Module Length (L)	345	680	760	1030
Module Width (W)	575	540	680	680
Module Weight (Kgs)	2.6 kgs	4.5 kgs	6.8 kgs	10.5 kgs
Mounting Holes pitch (A)	142	170	190	250
Mounting Holes pitch (B)	291	340	380	530
Junction Box	IP 67 / 65 Cable 1000 mm with bypass & blocking diodes			
Frame Material	Anodized aluminium frame with silver stocking pins			
Tempered glass	3.2 mm / 4.0 mm flat glass with anti-reflection coating			

Thermal Parameters

Power Temperature coefficient	- 0.392 / °C
Voltage Temperature coefficient	- 0.318 / °C
Current Temperature coefficient	+ 0.048 / °C

Power Warranty Graph



Unique Features

Product Warranty

15 year warranty on material and workmanship

Power Warranty

25 year linear power output warranty

Max Load

113 psf 550 kg/m.squ (5400 Pa) front (eg.snow)
50 psf 245 kg/m.squ(2440 Pa) front and back(eg.wind)

Impact Resistance Hall

(25mm) at 51 mph (20m/s)

Temperature

-40°F to +105°F

MODULE SERIES (SSP-025 TO SSP-325)

SSP- 150	SSP- 250	SSP- 265	SSP- 275	SSP- 300	SSP- 325
150 Wp	250 Wp	265 Wp	275 Wp	300 Wp	325 Wp
22	36.5 V	37.1 V	37.5V	44.1 V	45.6 V
8.95 A	8.96 A	8.98 A	9.04 A	8.95 A	9.11 A
17.8 V	30.6 V	31.9 V	31.9 V	36.2 V	37.6 V
8.68 A	8.42 A	8.56 A	8.88 A	8.53 A	8.9 A
15.4 %	15.9 %	16.8 %	17.15 %	16.1 %	16.8 %
1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
20 A	20 A	20 A	20 A	20 A	20 A
36	60	60	60	72	72
9x4	10x6	10x6	10x6	12x6	12x6
1475	1640	1640	1640	1945	1945
680	985	985	985	985	985
14.8 kgs	18.1 kgs	18.1 kgs	18.1 kgs	21.5 kgs	21.5 kgs
360	410	410	410	500	500
755	820	820	820	945	945

IP 67 / 65 Cable 1000 mm with bypass & blocking diodes

Anodized aluminium frame with silver stocking pins

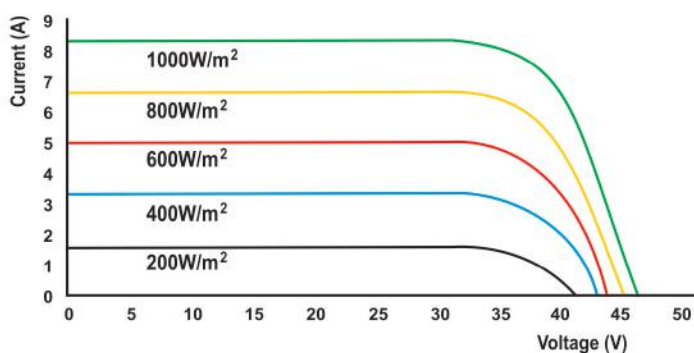
3.2 mm / 4.0 mm flat glass with anti-reflection coating

- 0.392 /°C

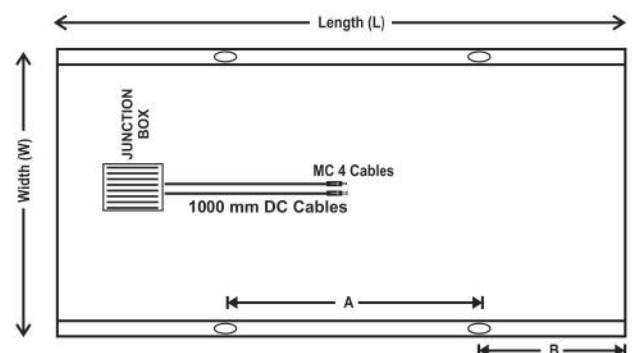
- 0.318 /°C

+ 0.048 /°C

IV Curve of the Module (325wp)



Mounting Details



Certifications

MNRE Channel Partner	ISO 14001	OHSAS 18001	RoHS Certified
IEC 61215 61701 61730 - 1&2 *	TUV Tested *	UL Certified *	CE Certified
ISO 9001:2008	TEDA ANERT NREDCAP Empanelled	NSIC Registered	SMERA Rated



* Certification Under Process



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