

Topsun's Crystalline Photovoltaic Modules are manufactured under Integrated Management System (ISO 9K: ISO 14K: BS 18K) for quality and safety environment. Offers high module efficiencies with consistent performance, quality workmanship and antimony free glass material. High power modules precisely manufactured to achieve better module conversion efficiency in the industry. Environmental friendly product confirming to RoHS standards.

Features :

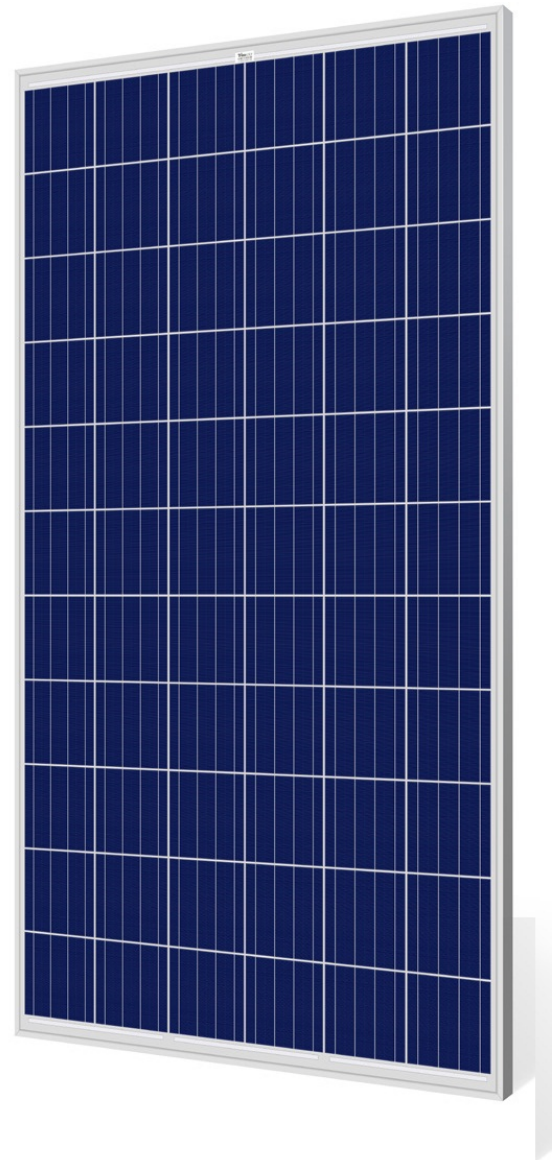
- Multi Crystalline
- Micro cracks free -100% EL inspected
- RoHS and CE certified
- Linear degradation as per Industry standard
- Best suited for Grid Tied applications

Product Certifications :

- IS14286/IEC 61215: 2005 Ed 2.0
- IEC/IS 61730-1: 2013/2004 Ed 1.2/IEC 61730-1: 2007
- IEC/IS 61730-2: 2012/2004 Ed 1.1/IEC 61730-2: 2007

Organization Certifications :

- ISO 9001; ISO 14001; OHSAS 18001 Certified
- ISO 50001 Certified
- ZED Certified



Typical Electrical Characteristics at STC

IV parameters are tested at STC (Irradiance of 1000W/m², AM 1.5G and Temperature 25°C)

Model/Type	(Pmax)	(Vmp)	(Imp)	(Voc)	(Isc)	Eff (%)	FF (%)
TEL66P270	270.00	33.30	8.12	40.60	08.53	15.16	77.96
TEL66P275	275.00	33.38	8.25	40.70	08.67	15.44	77.93
TEL66P280	280.00	33.45	8.40	40.79	08.81	15.75	77.92
TEL66P285	285.00	33.56	8.50	40.85	08.95	15.99	77.95
TEL66P290	290.00	33.60	8.65	40.97	09.08	16.29	77.96
TEL66P295	295.00	33.65	8.79	41.03	09.22	16.58	77.98
TEL66P300	300.00	33.75	8.92	41.09	09.37	16.86	77.92

Electrical Parameters Tolerance: ± 3%

Compliance of Simulator readings with an accuracy of class AAA (±2%)

Typical Electrical Characteristics at NOCT

IV parameters are tested at NOCT (Irradiance of 800W/m²,Temp at NOCT)

Model/Type	(Pmax)	(Vmp)	(Imp)	(Voc)	(Isc)	Eff (%)	FF(%)
TEL66P270	194.07	29.70	6.53	39.92	6.89	10.84	76.29
TEL66P275	197.65	29.77	6.64	37.01	7.01	11.04	76.18
TEL66P280	201.67	29.83	6.76	37.10	7.12	11.26	76.34
TEL66P285	204.74	29.93	6.84	37.15	7.23	11.60	77.34
TEL66P290	208.60	29.96	6.96	37.26	7.34	11.65	76.27
TEL66P295	212.29	30.01	7.07	37.31	7.45	11.86	76.37
TEL66P300	215.88	30.07	7.18	37.37	7.57	12.06	76.31

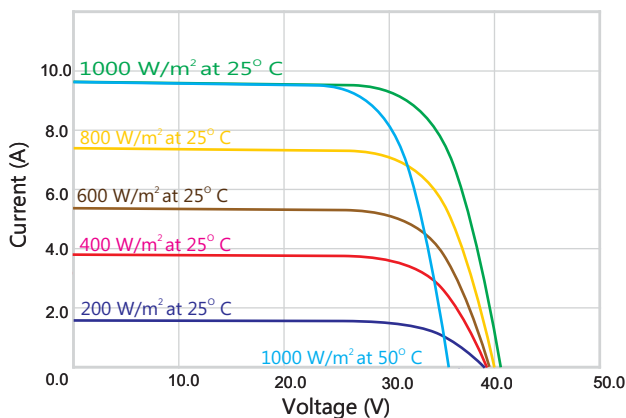
Temperature Co-efficients

NOCT	45±2	°C
Pmp	-0.43	%/°C
Isc	0.05	%/°C
Voc	-0.36	%/°C
Operating Temperature	-40 to +85	°C

Packing Configuration

Each Pallet	30 Modules
20 Ft Container	360 Modules
40 Ft /40Ft HC Container	720 Modules

Typical IV Curves

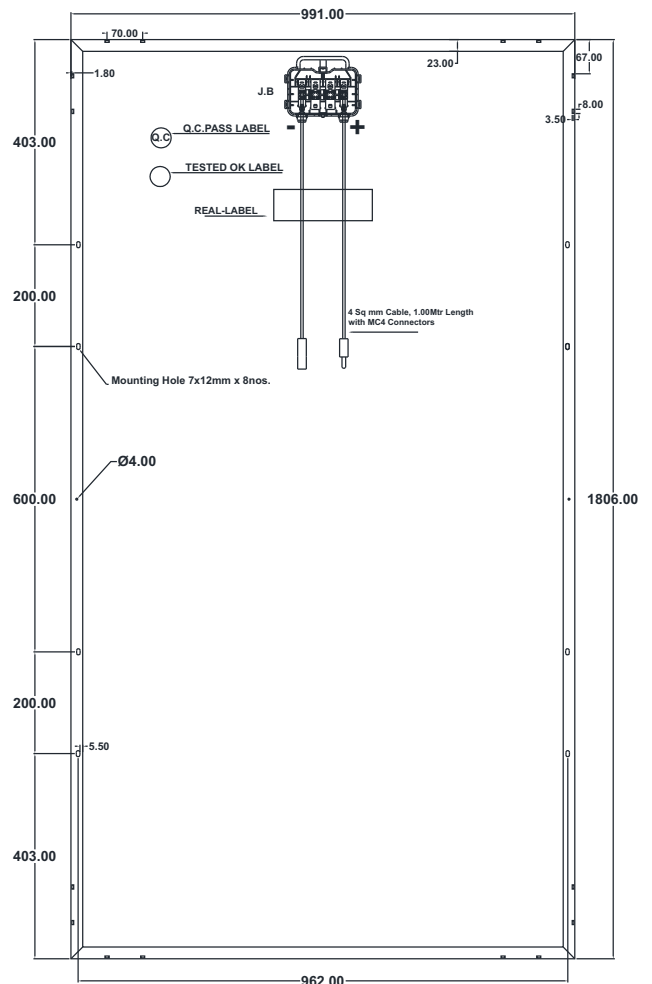


Current/voltage dependence on irradiance and module temperature. These I-V curves indicate the effect of temperature and light intensity on module Performance.

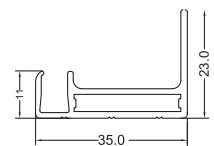
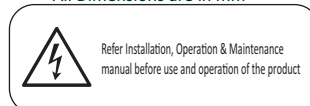
System Design

Series Fuse Rating (Recommended): 15 A
 Maximum System Voltage: 1000 VDC
 Static Load: 2400 Pa (50Psf)
 Module Dimension: 1806 x 991 x 35 mm (Area :1.789 Sq.mtr)
 Fire Rating : Class C
 By Pass Diode Rating : 20 A

Dimensions:



Tolerance: ± 2mm
 All Dimensions are in mm



NOTE: Data within this document may change without any prior notice due to continual improvements. you are advised to get latest information before making any final decision on listed products.

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