

72 CELL MODULE

MONO-CRYSTALLINE

HST72FXXXM

ELECTRICAL CHARACTERISTICS

Rated power	P <sub>m</sub>	W	340	345	350
Open circuit voltage	V <sub>oc</sub>	V	46.75	47.02	47.30
Maximum power voltage	V <sub>mp</sub>	V	38.45	38.60	38.79
Short circuit current	I <sub>sc</sub>	A	9.38	9.45	9.53
Maximum power current	I <sub>mp</sub>	A	8.85	8.94	9.03
Module efficiency	η	%	17.50-17.75	17.76-17.99	18.0-18.26
Power tolerance	W			-0 / +4.99	

CONSTRUCTION

Cell / Matrix	72; Mono Crystalline; 12 x 6
Dimension	1968 x 987 x 40 mm
Weight	21 kg
Glass	ARC; Low Iron; Tempered; High Light Transmission; 3.2mm
Junction Box	IP68; Potted
Cable	4mm <sup>2</sup> ; 1000±50mm length
Connector	TL - CABLE01S
Diode	Schottky Bypass Diodes; 3 Nos
Frame	18μ Anodized aluminum alloy; twin wall profile
Locking	Corner key type

MAXIMUM RATINGS

System Voltage	1500 VDC (IEC) / 1000 VDC (BIS)
Fuse Rating	15 A
Application Class	Class A Protection Class II
Snow Load	5400 Pa
Wind Load	2400 Pa

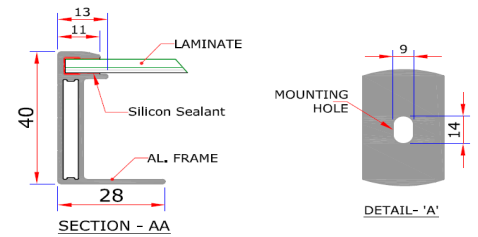
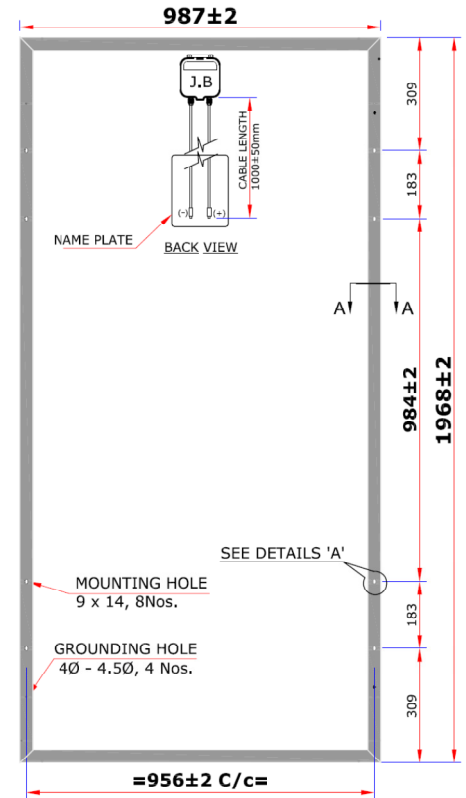
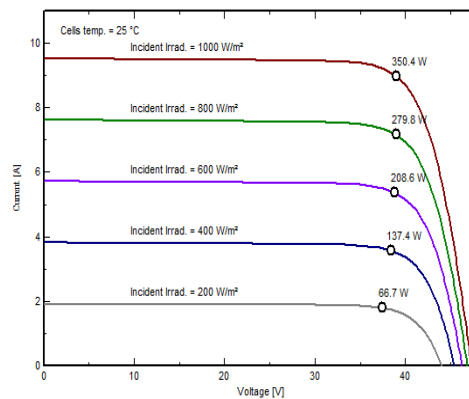
TEMPERATURE RATINGS

NOCT	44°C (±2°C)
T <sub>c</sub> of V <sub>oc</sub>	-0.29 %/°C
T <sub>c</sub> of I <sub>sc</sub>	+0.05 %/°C
T <sub>c</sub> of P <sub>m</sub>	-0.38 %/°C
Operating range	-40°C to +85°C

SALIENT FEATURES

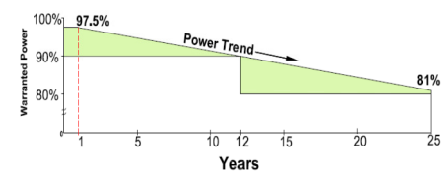
- BIS Certified (IS 14286 & IS/IEC 61730-1 & 2)
- Salt Mist Resistance; Certified for Severity 6
- 1500VDC (IEC) / 1000VDC (IEC,BIS)
- PID resistant (3 times of IEC Criteria)
- Micro-crack free
- Multi stage 100% in-line EL passed
- Higher energy yield on field performance
- More than 25 in-house quality checks
- Positive tolerance up to +5W
- Fire Class-"C"
- Best in class material for true 25 years life
- Extended power warranty
- IEC 61215, 61730, 61701, 62804

I-V Curve of 350W at 25°C cell temp. and different Irradiance level



WARRANTY

Product	10 Years
Performance	90% of rated power for 12 Yr 81% of rated power for 25 Yr



Notes :

Note: Design and Specifications are subject to change without notice. • Electrical Parameters measured at STC only (at 25°C, 1000W/M<sup>2</sup>). • Please refer to installation manual and strictly adhere to instruction / guidelines to qualify for warranty terms.

