

72 CELL MODULE

MONO-CRYSTALLINE

HST72FXXXM

ELECTRICAL CHARACTERISTICS

Rated power	P _m	W	375	380
Open circuit voltage	V _{oc}	V	48.41	48.60
Maximum power voltage	V _{mp}	V	39.44	39.55
Short circuit current	I _{sc}	A	10.00	10.10
Maximum power current	I _{mp}	A	9.51	9.61
Module efficiency	η	%	19.31-19.55	19.56-19.80
Power tolerance	W		-0 / +4.99	

CONSTRUCTION

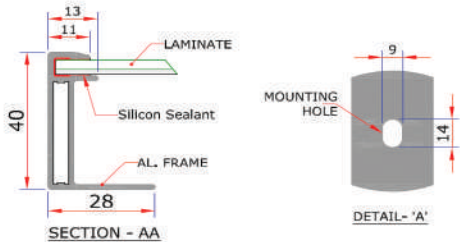
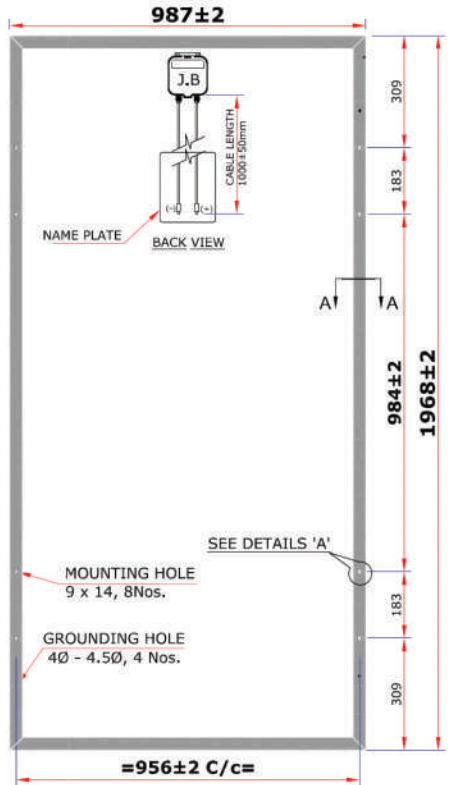
Cell / Matrix	72; Mono Crystalline; 12 x 6
Dimension	1968 x 987 x 40 mm
Weight	21 kg
Glass	ARC; Low Iron; Tempered; High Light Transmission; 3.2mm
Junction Box	IP68; Potted
Cable	4mm ² (12 AWG) ; 1000±50mm length
Connector	TL - CABLE01S; MC4 Compatible
Diode	Schottky Bypass Diodes; 3 Nos
Frame	18μ Anodized aluminum alloy; twin wall profile
Locking	Corner key type

MAXIMUM RATINGS

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

TEMPERATURE RATINGS

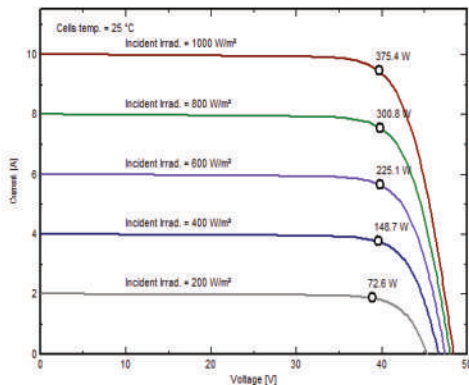
NOCT	44°C (±2°C)
T _c of V _{oc}	-0.29 %/°C
T _c of I _{sc}	+0.05 %/°C
T _c of P _m	-0.38 %/°C
Operating range	-40°C to +85°C



SALIENT FEATURES

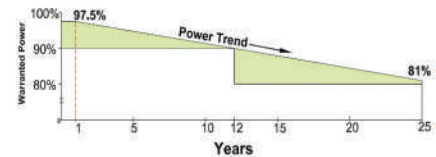
- BIS Certified (IS 14286 & IS/IEC 61730-1 & 2)
- High Efficiency Mono crystalline PERC Cells
- Salt Mist Resistance; Certified for Severity 6
- Ammonia Resistance (IEC 62716)
- 1500VDC (IEC, UL) / 1000VDC (IEC, BIS)
- PID resistant (3 times of IEC Criteria)
- Micro-crack free
- Multi stage 100% in-line EL passed
- Higher energy yield on field performance
- More than 25 in-house quality checks
- Positive tolerance up to +5W
- Best in class material for true 25 years life
- IEC-61215 & 61730 (2016), UL-61215 & 61730 (2017)

I-V Curve of 375W 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/M²). • Please refer to installation manual and strictly adhere to instruction / guidelines to qualify for warranty terms.

