

72 CELL MODULE

MONO-CRYSTALLINE

HST72FXXM(BIS)

HST72FXXMF(IEC,UL)

**ELECTRICAL CHARACTERISTICS**

Rated power	Pm	W	370	375	380	385
Open circuit voltage	Voc	V	48.20	48.41	48.60	48.80
Maximum power voltage	Vmp	V	39.32	39.44	39.55	39.65
Short circuit current	Isc	A	9.95	10.00	10.10	10.20
Maximum power current	Imp	A	9.41	9.51	9.61	9.71
Module efficiency	η	%	19.05-19.30	19.31-19.55	19.56-19.80	19.81-20.07
Power tolerance	W				-0 / +4.99	

**CONSTRUCTION**

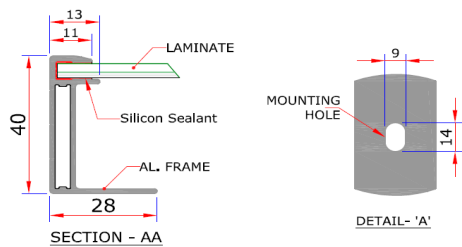
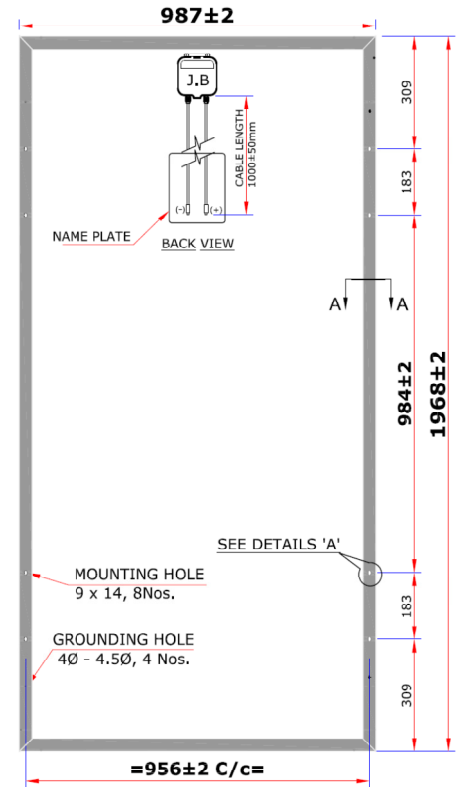
Cell / Matrix	72; Mono Crystalline; 12 x 6
Dimension	1968 x 987 x 40 mm
Weight	21 kg
Glass	ARC; Low Iron; Tempered; High Light Transmission; 3.2mm
Junction Box	IP68; Potted
Cable	4mm <sup>2</sup> (12 AWG) ; 1000±50mm length
Connector	TL - CABLE01S; MC4 Compatible
Diode	Schottky Bypass Diodes; 3 Nos
Frame	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**

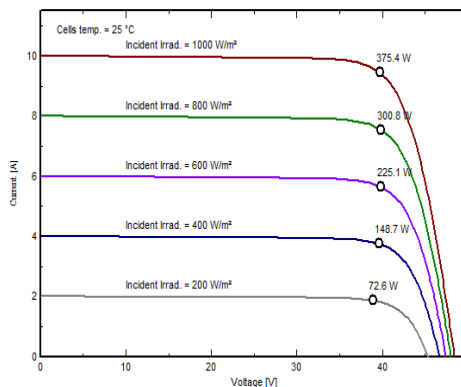
NOCT	44°C (±2°C)
Tc of Voc	-0.29 %/°C
Tc of Isc	+0.05 %/°C
Tc of Pm	-0.38 %/°C
Operating range	-40°C to +85°C



**SALIENT FEATURES**

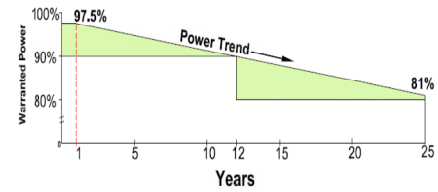
- BIS Certified (IS 14286 & IS/IEC 61730-1 & 2)
- High Efficiency Mono crystalline PERC Cells
- Salt Mist Resistance; Certified for Severity 6
- Ammonia Resistance ( IEC 62716 )
- 1500VDC (IEC, UL) / 1000VDC (IEC, BIS)
- PID resistant (3 times of IEC Criteria)
- Micro-crack free
- Multi stage 100% in-line 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



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.