

**72 CELL MODULE**

**MULTI-CRYSTALLINE**

**HST72FXXP**

**ELECTRICAL CHARACTERISTICS**

Rated power	Pm	W	300	305	310
Open circuit voltage	Voc	V	45.12	45.30	45.50
Maximum power voltage	Vmp	V	36.28	36.53	36.69
Short circuit current	Isc	A	8.80	8.90	8.98
Maximum power current	Imp	A	8.27	8.35	8.45
Module efficiency	η	%	15.44-15.70	15.70-15.96	15.96-16.22
Power tolerance	W			-0 / +4.99	

**CONSTRUCTION**

Cell / Matrix	72; Multi Crystalline; 156 x 156mm / 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 (UL); 1000±50mm length
Connector	MC4 Compatible
Diode	Schottky Bypass Diodes; 3 Nos
Frame	18μ Anodized aluminium alloy; twin wall profile
Locking	Corner key type

**MAXIMUM RATINGS**

System Voltage	1000VDC (UL)
Fuse Rating	15 A
Fire Class	Type 1 (UL); Class - C (cUL)
Application Class	Class A (Protection Class II)
Snow Load	5400 Pa
Wind Load	2400 Pa

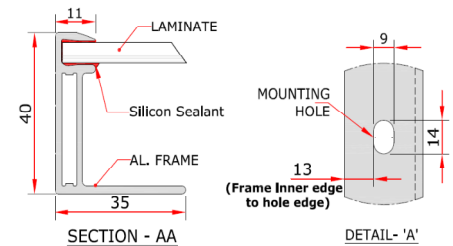
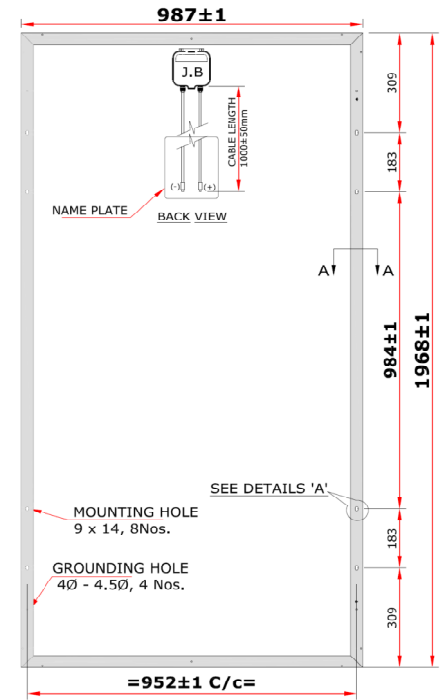
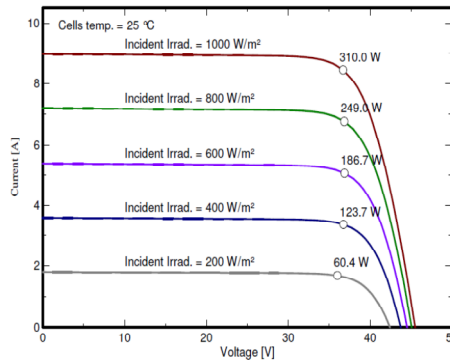
**TEMPERATURE RATINGS**

NOCT	45°C (±2°C)
Tc of Voc	-0.27 %/°C
Tc of Isc	+0.013 %/°C
Tc of Pm	-0.37 %/°C
Operating range	-40°C to +85°C

**SALIENT FEATURES**

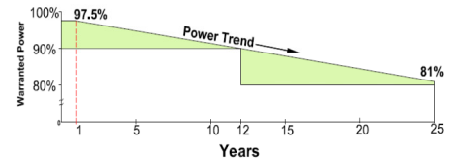
- Extended power warranty
- PID resistant (3 times of IEC requirement)
- 1000V (UL) / 1000V (IEC) Certified
- Superior high temp. & low light behavior
- Micro-crack free
- Triple stage 100% in-line EL passed
- Higher energy yield on field performance
- More than 25 in-house quality checks
- Positive tolerance up to +5W
- 5400 Pa load
- Best in class material for true 25 years life
- UL/cUL1703, IEC61215,61730,61701,62804, MCS

I-V Curve of 310W 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.

