

72 CELL MODULE

MULTI-CRYSTALLINE

HST72FXXXP

ELECTRICAL CHARACTERISTICS

Rated power	Pm	W	300	305	310	315
Open circuit voltage	Voc	V	45.12	45.30	45.50	45.70
Maximum power voltage	Vmp	V	36.28	36.53	36.69	36.85
Short circuit current	Isc	A	8.80	8.90	8.98	9.06
Maximum power current	Imp	A	8.27	8.35	8.45	8.55
Module efficiency	η	%	15.44-15.69	15.70-15.95	15.96-16.21	16.22-16.47
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	IP67 / IP68; Potted
Cable	4mm ² / 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 (IEC); 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

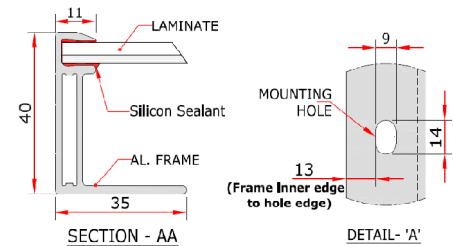
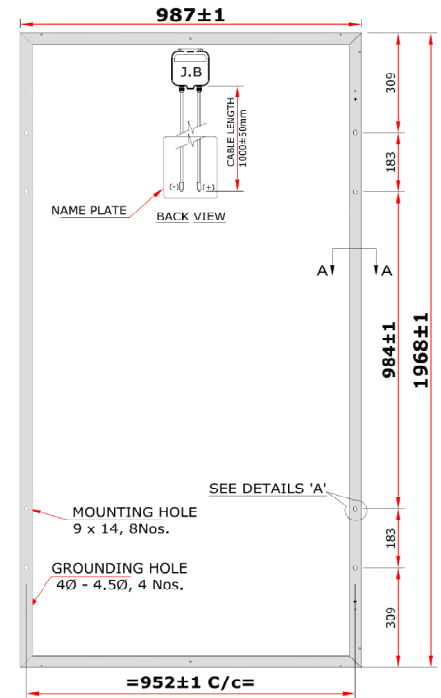
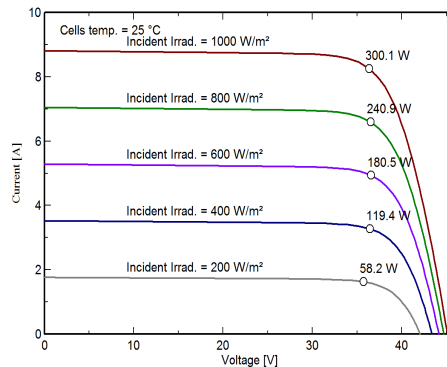
TEMPERATURE RATINGS

NOCT	45°C (±2°C)
Tc of Voc	-0.30 %/°C
Tc of Isc	+0.05 %/°C
Tc of Pm	-0.41 %/°C
Operating range	-40°C to +85°C

SALIENT FEATURES

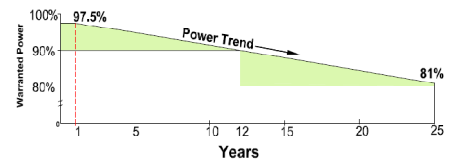
- Extended power warranty
- PID resistant
- 1000V (UL) / 1000V (IEC) Certified
- Micro-crack free
- Triple stage 100% in-line EL passed
- Higher energy yield on field performance
- More than 25 in-house quality checks
- Positive tolerance up to +5W
- 5400 Pa load
- Best in class material for true 25 years life
- IEC 61215, 61730, 61701; UL/cUL1703, MCS, CE, CEC

I-V Curve of 300W 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.

