

72 CELL MODULE

POLY-CRYSTALLINE

HST72FXXXP

ELECTRICAL CHARACTERISTICS

Rated power	Pm	W	335	340	345
Open circuit voltage	Voc	V	46.24	46.32	46.44
Maximum power voltage	Vmp	V	37.48	37.62	37.75
Short circuit current	Isc	A	9.44	9.56	9.68
Maximum power current	Imp	A	8.94	9.04	9.14
Module efficiency	η	%	17.24-17.49	17.50-17.75	17.76-17.79
Power tolerance		W		-0 / +4.99	

CONSTRUCTION

Cell / Matrix	72; Poly 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
Diode	Schottky Bypass Diodes; 3 Nos
Frame	18μ Anodized aluminium 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
Fire Class	"C" (IEC); Type 1 (UL)
Load	2400 Pa (Wind) & 5400 Pa (Snow)

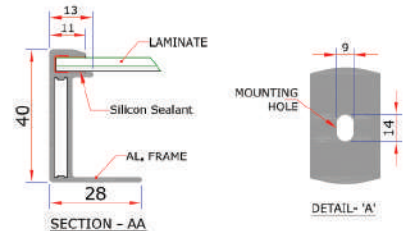
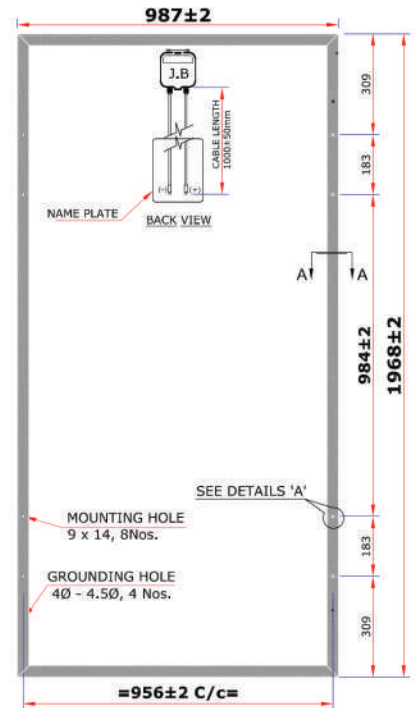
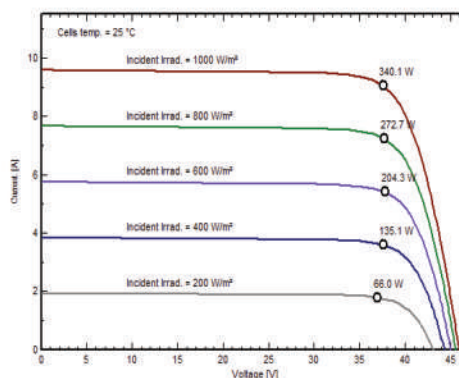
TEMPERATURE RATINGS

NOCT	44°C (±2°C)
Tc of Voc	-0.27 %/°C
Tc of Isc	+0.04 %/°C
Tc of Pm	-0.35 %/°C
Operating range	-40°C to +85°C

SALIENT FEATURES

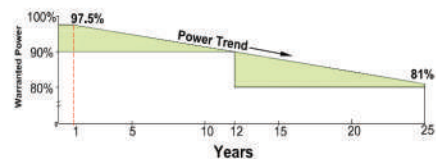
- BIS Certified (IS 14286 & IS/IEC 61730-1 & 2)
- Salt Mist Resistance; Certified for Severity 6
- Ammonia Resistance (IEC 62716)
- 1500VDC (IEC, UL) / 1000VDC (IEC, BIS)
- PID resistant (3 times of IEC Criteria)
- Micro-crack free
- Multi stage 100% in-line EL passed
- Higher energy yield on field performance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

I-V Curve of 340W 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.

