

**72 CELL MODULE**

**POLY-CRYSTALLINE**

**HST72FXXP(BIS)**

**HST72FXXPF(IEC,UL)**

**ELECTRICAL CHARACTERISTICS**

Rated power	P <sub>m</sub>	W	335	340	345
Open circuit voltage	V <sub>oc</sub>	V	46.24	46.32	46.44
Maximum power voltage	V <sub>mp</sub>	V	37.48	37.62	37.75
Short circuit current	I <sub>sc</sub>	A	9.44	9.56	9.68
Maximum power current	I <sub>mp</sub>	A	8.94	9.04	9.14
Module efficiency	η	%	17.24-17.49	17.50-17.75	17.76-18.0
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 <sup>2</sup> (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**

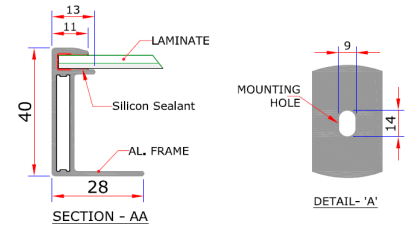
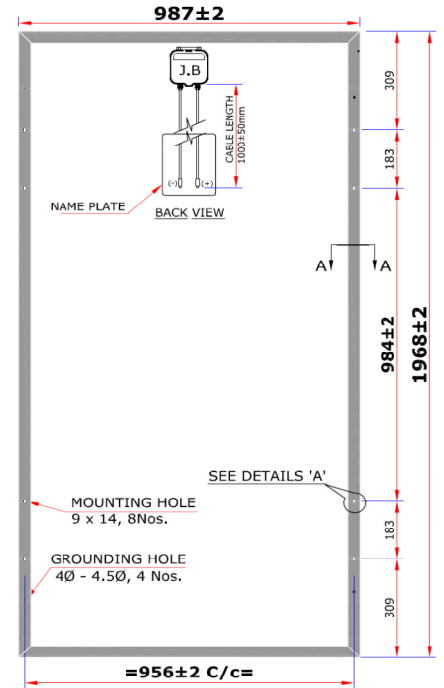
System Voltage	1500 VDC (IEC, UL) 1000 VDC (BIS)
Fuse Rating	15 A
Application Class	Class A Protection Class II
Fire Class	"C" (IEC); Type 1 (UL)
Load	2400 Pa ( Wind ) & 5400 Pa ( Snow )

**TEMPERATURE RATINGS**

NOCT	44°C (±2°C)
T <sub>c</sub> of V <sub>oc</sub>	-0.27 %/°C
T <sub>c</sub> of I <sub>sc</sub>	+0.04 %/°C
T <sub>c</sub> of P <sub>m</sub>	-0.35 %/°C
Operating range	-40°C to +85°C

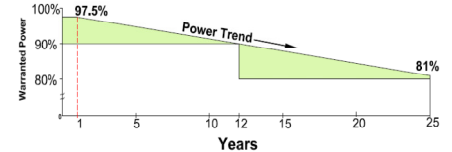
**SALIENT FEATURES**

- 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

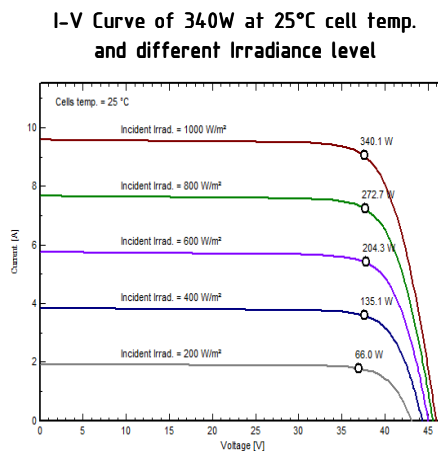


**WARRANTY**

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.