

**36 CELL MODULE**

**MONO-CRYSTALLINE**

**HST36FXXXM**

**ELECTRICAL CHARACTERISTICS**

Rated power	P <sub>m</sub>	W	170	175	180
Open circuit voltage	V <sub>oc</sub>	V	22.95	23.06	23.16
Maximum power voltage	V <sub>mp</sub>	V	18.50	18.70	18.85
Short circuit current	I <sub>sc</sub>	A	9.14	9.32	9.68
Maximum power current	I <sub>mp</sub>	A	8.65	8.83	9.05
Module efficiency	η	%	16.13 - 16.63	16.63-17.13	17.14-17.64
Power tolerance	W			-0 / +4.99	

**CONSTRUCTION**

Cell / Matrix	36; Mono Crystalline; 9 x 4
Dimension	1487 x 667 x 35mm
Weight	11 kg
Glass	ARC; Low Iron; Tempered; High Light Transmission; 3.2mm Thk.
Junction Box	IP68; Potted
Cable	4mm <sup>2</sup> ; 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**

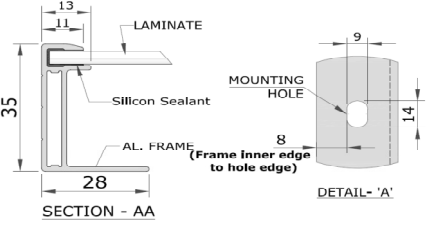
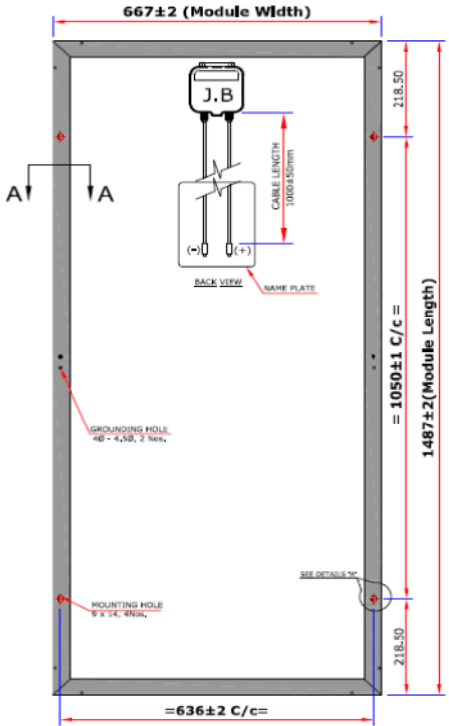
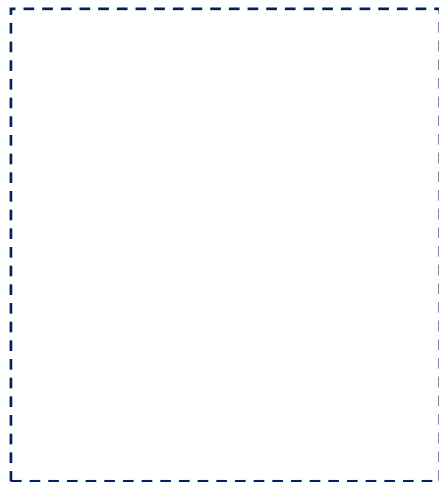
System Voltage	1500 VDC (IEC) / 1000 VDC (BIS)
Fuse Rating	15 A
Application Class	Class A Protection Class II
Snow Load	5400 Pa
Wind Load	2400 Pa

**TEMPERATURE RATINGS**

NOCT	44°C (±2°C)
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

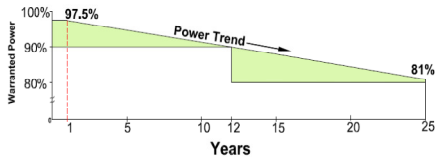
**SALIENT FEATURES**

- BIS Certified (IS 14286 & IS/IEC 61730-1 & 2)
- Salt Mist Resistance; Certified for Severity 6
- 1500VDC (IEC) / 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
- Fire Class-"C"
- Best in class material for true 25 years life
- Extended power warranty
- IEC 61215, 61730, 61701, 62804



**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.

