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Solar Panel Guide Specification Data Sheet

**HHV Solar Technologies Pvt. Ltd.
Mono 60 Cell 280 - 290W
HST60F285M**

Also available on the web at
EnergyPal.com/hhv-solar-technologies-pvt-ltd-solar-panels/hst60f285m

60 CELL MODULE

MONO-CRYSTALLINE

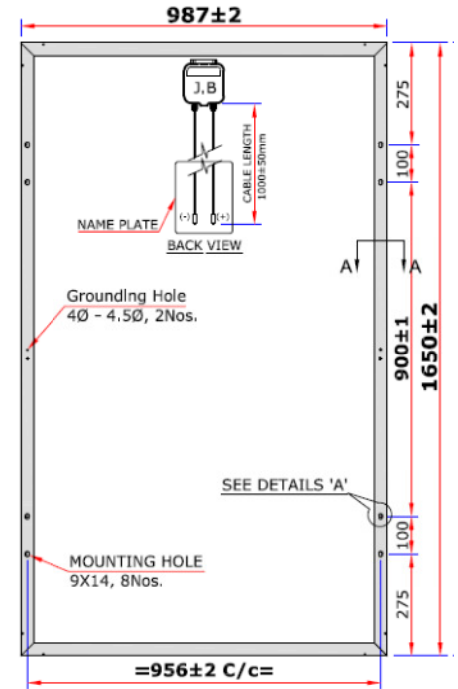
HST60FXXXM

ELECTRICAL CHARACTERISTICS

Rated power	Pm	W	280	285	290
Open circuit voltage	Voc	V	38.76	38.95	39.18
Maximum power voltage	Vmp	V	31.86	32.22	32.07
Short circuit current	Isc	A	9.29	9.38	9.65
Maximum power current	Imp	A	8.79	8.85	9.05
Module efficiency	η	%	17.19-17.48	17.50-17.79	17.80-18.10
Power tolerance		W		-0 / +4.99	

CONSTRUCTION

Cell / Matrix	60; Mono Crystalline; 10 x 6
Dimension	1650 x 987 x 40 mm
Weight	17.5 kg
Glass	ARC; Low Iron; Tempered; High Light Transmission; 3.2mm
Junction Box	IP68; Potted
Cable	4mm ² ; 1000±50mm length
Connector	TL - CABLE01S
Diode	Schottky Bypass Diodes; 3 Nos
Frame	18μ Anodized aluminium alloy; twin wall profile
Locking	Corner key type

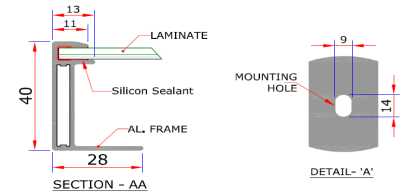


MAXIMUM RATINGS

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)
Tc of Voc	-0.29 %/°C
Tc of Isc	+0.05 %/°C
Tc of Pm	-0.38 %/°C
Operating range	-40°C to +85°C



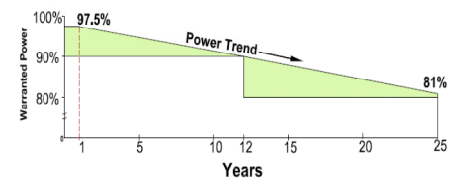
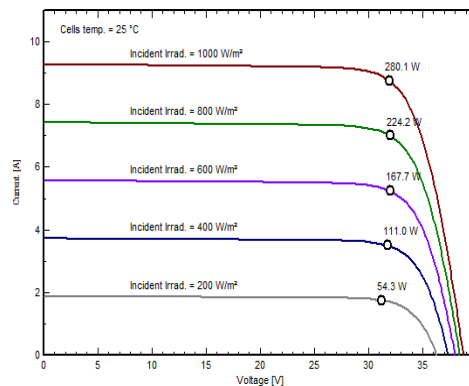
WARRANTY

Product	12 Years
Performance	90% of rated power for 12 Yr 81% of rated power for 25 Yr

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

I-V Curve of 280W at 25°C cell temp. and different Irradiance level



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.

