

72 CELL MODULE
ELECTRICAL CHARACTERISTICS

MODEL NO.	HSTFF24300M	HSTFF24305M	HSTFF24310M	HSTFF24315M
RATED POWER (Wp)	300 Wp	305 Wp	310 Wp	315 Wp
MCS NO.	PV0085/108	PV0085/109	PV0085/110	PV0085/111
OPEN CIRCUIT VOLTAGE (Voc)	45.00 V	45.35 V	45.50 V	45.60 V
MAXIMUM POWER VOLTAGE (Vmp)	37.25 V	37.50 V	37.80 V	37.85 V
SHORT CIRCUIT CURRENT (Isc)	8.57 A	8.62 A	8.64 A	8.77 A
MAXIMUM POWER CURRENT (Imp)	8.05 A	8.13 A	8.20 A	8.33 A
MODULE EFFICIENCY (%)	15.2	15.4	15.7	16.0
OUTPUT TOLERANCE (%)		±3		
CELLS PER MODULE		72		
CELL LAYOUT		12x6		
MAXIMUM SYSTEM VOLTAGE		1000 VDC		

LEAD FREE
RFID TAG
ELECTRICAL CONNECTION

JUNCTION BOX	IP 67
OUTPUT TERMINAL	1000mm, 4mm ² CABLE; HA3 CONNECTOR.
PROTECTION	SCHOTTKY BYPASS DIODES

MECHANICAL CHARACTERISTICS

MODULE DIMENSIONS (mm)	1988 x 994 x 46
WEIGHT (KG.APPROX)	28

ABSOLUTE MAXIMUM RATINGS

OPERATING TEMPERATURE	-40°C to + 85°C
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GENERAL

FRAME	ANODIZED ALUMINIUM
FRAME COLOUR	NATURAL MATT / GLOSSY STEEL FINISH (OPTIONAL)

TEMPERATURE CO-EFFICIENTS

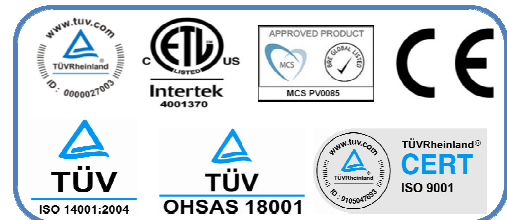
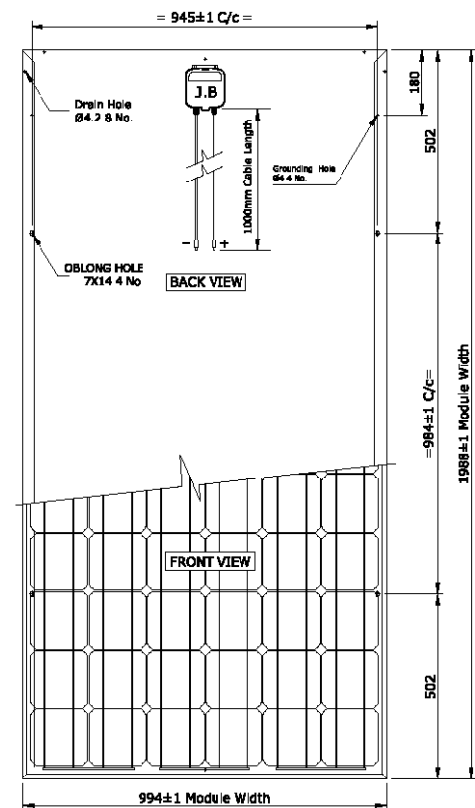
α_{Isc}	β_{Voc}	γ_{Pmp}
%/°C	%/°C	%/°C
+0.05	-0.33	-0.45
NOCT	46±1°C	

WARRANTY

10 YEARS PRODUCT WARRANTY
0 - 10 YEARS FOR 90% OF RATED POWER
10 - 25 YEARS FOR 80% OF RATED POWER

INDIA

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Note:

- Design and Specifications are subject to change without notice.
- Electrical Parameters measured at STC only (at 25°C, 1000W/M²)