

72 CELL MODULE

ELECTRICAL CHARACTERISTICS

MODEL NO.	HSTFF24300M	HSTFF24305M	HSTFF24310M	HSTFF24315M
RATED POWER (Watt)	300	305	310	315
MCS No.(MCS PV0085/•••)	108	109	110	111
OPEN CIRCUIT VOLTAGE- V_{oc} (Volt)	45.00	45.35	45.50	45.60
MAXIMUM POWER VOLTAGE- V_{mp} (Volt)	37.25	37.50	37.80	37.85
SHORT CIRCUIT CURRENT- I_{sc} (Amp)	8.57	8.62	8.64	8.77
MAXIMUM POWER CURRENT- I_{mp} (Amp)	8.05	8.13	8.20	8.33
MODULE EFFICIENCY (%)	15.2	15.4	15.7	16.0
OUTPUT TOLERANCE (%)	±3			
CELLS PER MODULE	72, 156 x 156 (mm)			
CELL LAYOUT	12 x 6			
MAXIMUM SYSTEM VOLTAGE (VDC)	1000			



ELECTRICAL CONNECTION

JUNCTION BOX	Tyco (IP 65) / Huber+Suhner (IP 67)
OUTPUT CABLES	4mm ² , 1000mm length
CONNECTORS	MC4 Compatible / Huber+Suhner
PROTECTION	SCHOTTKY BYPASS DIODES

MECHANICAL CHARACTERISTICS

MODULE DIMENSIONS (mm)	1988 x 994 x 46
WEIGHT (KG.APPROX)	26.5

ABSOLUTE MAXIMUM RATINGS

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

FRAME	BLACK ANODIZED ALUMINIUM
FRAME COLOUR	BLACK - BLACK
LOCKING	CORNER KEY TYPE

TEMPERATURE CO-EFFICIENTS

$\alpha_{Isc}(\%/^{\circ}C)$	$\beta_{Voc}(\%/^{\circ}C)$	$\gamma_{Pmp}(\%/^{\circ}C)$
+0.05	-0.33	-0.45
NOCT	46±1 °C	

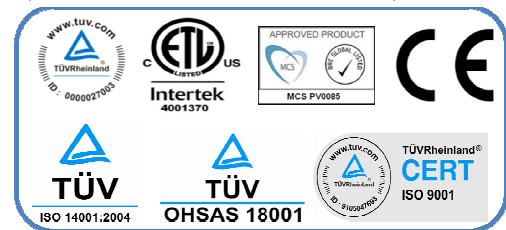
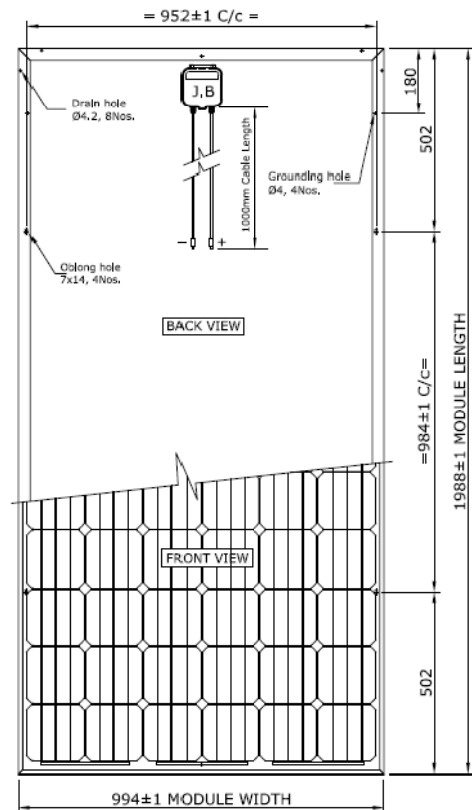
WARRANTY

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

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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)