

72 CELL MODULE

ELECTRICAL CHARACTERISTICS

RATED POWER (Watt)	295	300	305	310	315
OPEN CIRCUIT VOLTAGE- V_{oc} (Volt)	44.60	45.00	45.35	45.50	45.60
MAXIMUM POWER VOLTAGE- V_{mp} (Volt)	36.85	37.25	37.50	37.80	37.85
SHORT CIRCUIT CURRENT- I_{sc} (Amp)	8.55	8.57	8.62	8.64	8.77
MAXIMUM POWER CURRENT- I_{mp} (Amp)	8.01	8.05	8.13	8.20	8.33
MODULE EFFICIENCY (%)	14.9	15.2	15.4	15.7	16.0
OUTPUT TOLERANCE (%)	± 3				
CELLS	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	ANODISED ALUMINIUM
LOCKING	CORNER KEY TYPE

TEMPERATURE CO-EFFICIENTS

α_{Isc} (%/°C)	β_{Voc} (%/°C)	γ_{Pmp} (%/°C)
+0.05	-0.33	-0.45
NOCT	46 $\pm$ 1°C	

WARRANTY

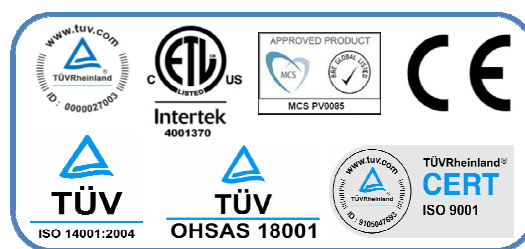
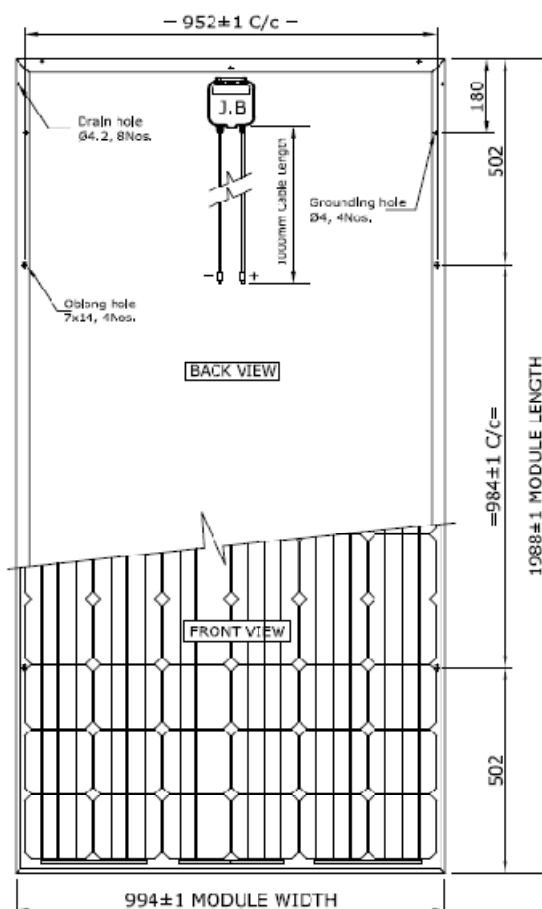
10 YEARS PRODUCT WARRANTY
0 - 10 YEARS FOR 90% OF RATED POWER
10 - 25 YEARS FOR 80% OF RATED POWER

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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)