

72 CELL MODULE

ELECTRICAL CHARACTERISTICS

	265	270	280	285	290	300
RATED POWER (Watt)	265	270	280	285	290	300
OPEN CIRCUIT VOLTAGE- V_{oc} (Volt)	43.7	44.0	44.5	44.75	45.0	45.5
MAXIMUM POWER VOLTAGE- V_{mp} (Volt)	35.0	35.3	35.5	35.7	36.0	36.5
SHORT CIRCUIT CURRENT - I_{sc} (Amp)	8.08	8.10	8.30	8.40	8.50	8.65
MAXIMUM POWER CURRENT- I_{mp} (Amp)	7.58	7.65	7.90	8.00	8.06	8.22
MODULE EFFICIENCY (%)	13.64	13.90	14.41	14.67	14.93	15.44
OUTPUT TOLERANCE (%)	±3					
CELLS	72, 156 x 156 (mm)					
CELL LAYOUT	12 x 6					
MAXIMUM SYSTEM VOLTAGE (VDC)	1000					

ELECTRICAL CONNECTION

JUNCTION BOX	IP65
OUTPUT CABLES	4mm ² , 1000mm length
CONNECTORS	MC4 Compatible
PROTECTION	SCHOTTKY BYPASS DIODES

MECHANICAL CHARACTERISTICS

MODULE DIMENSIONS (mm)	1968 x 987 x 42
WEIGHT (KG, APPROX)	21

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	-0.34	-0.45
NOCT	45±2°C	

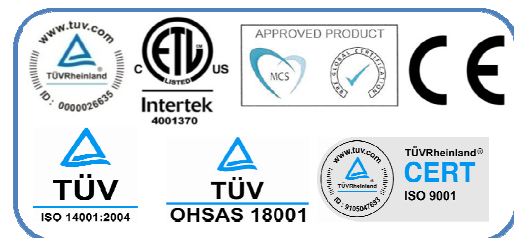
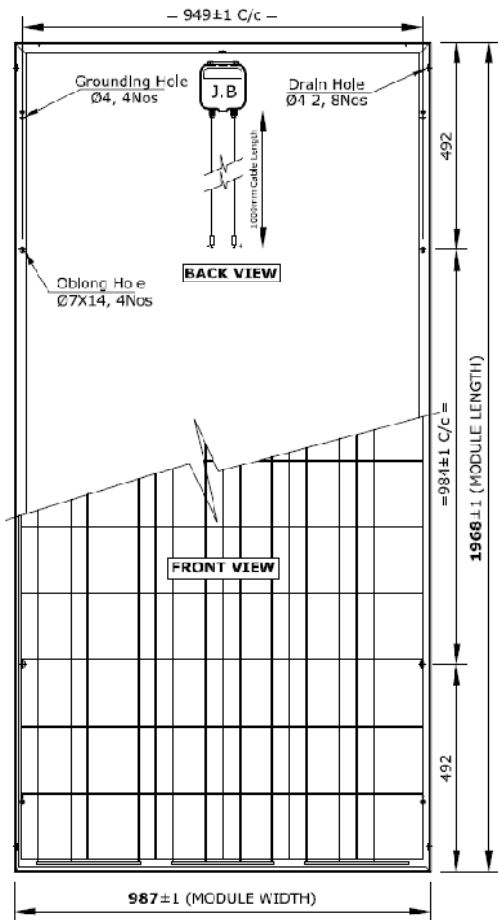
WARRANTY

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).