

72 CELL MODULE

| ELECTRICAL CHARACTERISTICS | | | | | | | | |
|--|--------------------|-------|-------|-------|-------|-------|-------|-------|
| RATED POWER (Watt) | 250 | 260 | 265 | 270 | 280 | 285 | 290 | 300 |
| OPEN CIRCUIT VOLTAGE-V _{oc} (Volt) | 43.40 | 43.60 | 43.70 | 44.00 | 44.50 | 44.75 | 45.00 | 45.50 |
| MAXIMUM POWER VOLTAGE-V _{mp} (Volt) | 34.5 | 34.7 | 35.0 | 35.3 | 35.5 | 35.7 | 36.0 | 36.5 |
| SHORT CIRCUIT CURRENT -I _{sc} (Amp) | 7.80 | 7.95 | 8.08 | 8.10 | 8.30 | 8.40 | 8.50 | 8.65 |
| MAXIMUM POWER CURRENT-I _{mp} (Amp) | 7.25 | 7.50 | 7.58 | 7.65 | 7.90 | 8.00 | 8.06 | 8.22 |
| MODULE EFFICIENCY (%) | 12.65 | 13.15 | 13.41 | 13.66 | 14.17 | 14.42 | 14.68 | 15.18 |
| 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 |

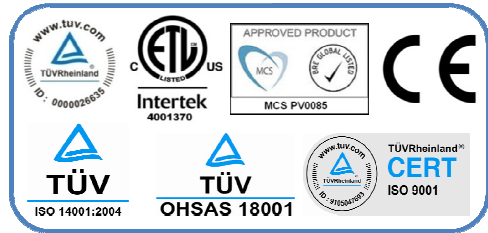
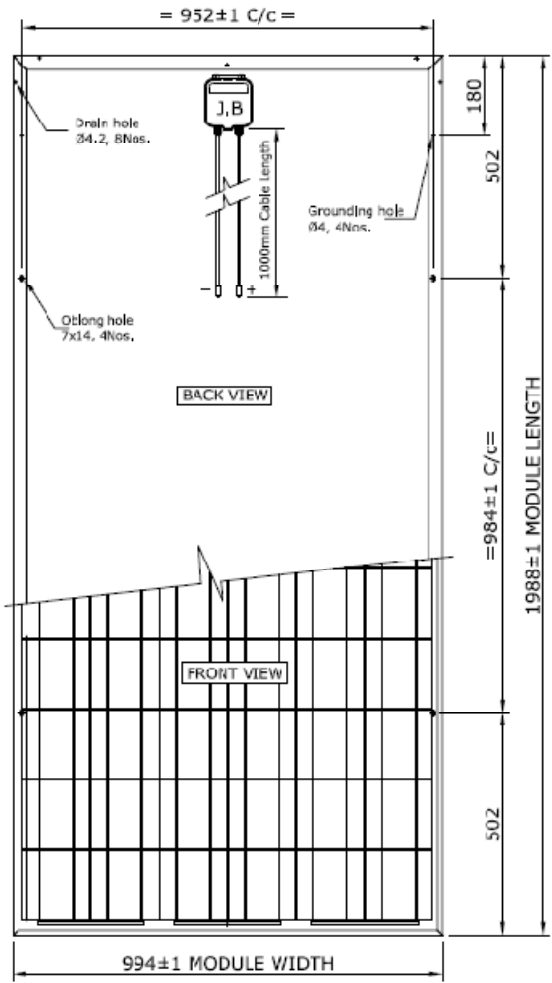
| ABSOLUTE MAXIMUM RATINGS | |
|--------------------------|----------------|
| OPERATING TEMPERATURE | -40°C to +85°C |

| 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 |

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