

HQ100M(85W-105W)SERIES



MONO

| STC | 85W | 90W | 95W | 100W | 105W |
|--|--------|--------|--------|--------|--------|
| Maximum Power (P _{max}) | 85W | 90W | 95W | 100W | 105W |
| Open Circuit Voltage (V _{oc}) | 22.20V | 22.30V | 22.40V | 22.40V | 22.60V |
| Short Circuit Current (I _{sc}) | 5.12A | 5.35A | 5.52A | 5.80A | 6.02A |
| Voltage at Maximum Power (V _{mpp}) | 18.10V | 18.30V | 18.40V | 18.40V | 18.50V |
| Current at Maximum Power (I _{mp}) | 4.70A | 4.93A | 5.19A | 5.45A | 5.66A |
| Module Efficiency (%) | 13.12% | 13.89% | 14.66% | 15.43% | 16.20% |

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

| Mechanical Characteristics | |
|----------------------------|--|
| Solar Cell | 125x125mm (5inches) |
| No. of Cells | 36 (4 × 9) |
| Dimensions | 1200× 540 × 30mm |
| Weight | 5.5 kgs |
| Front | Glass 3.2 mm tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | IP65/IP67 rated (2 bypass diodes) |
| Output Cables | TÜV (2Pfg1169:2007), UL 4703, 2.5 mm ² , symmetrical length |
| | (-) 700mm and (+) 700mm |
| Connectors | MC 4 compatible |
| Mechanical load test | 5400Pa |

| Operating Module Temperature | -40 °C to +85 °C | |
|--|--------------------------------|--------|
| Maximum System Voltage | 1000 V DC (IEC) / 600V DC (UL) | |
| Maximum Series Fuse Rating | 10 A | |
| Power Tolerance | 0/+5W | |
| Temperature Characteristics | | |
| Nominal Operating Cell Temperature (N _{OC} T) | 45±2°C | |
| Temperature Coefficient of P _{max} | -0.44 %/°C | |
| Temperature Coefficient of V _{oc} | -0.33 %/°C | |
| Temperature Coefficient of I _{sc} | 0.055 %/°C | |
| Packing Configuration | | |
| Container | 20' GP | 40' GP |
| Pieces per pallet | 2 | 2 |
| Pallets per container | 261 | 558 |
| Pieces per container | 522 | 1116 |

