

# HQ200M(190W-210W)SERIES



## MONO

| STC  | 190W   | 195W   | 200W   | 205W   | 210W   |
|--|--------|--------|--------|--------|--------|
| Maximum Power (P <sub>max</sub> )            | 190W   | 195W   | 200W   | 205W   | 210W   |
| Open Circuit Voltage (V <sub>oc</sub> )      | 44.80V | 44.90V | 44.90V | 45.00V | 45.20V |
| Short Circuit Current (I <sub>sc</sub> )     | 5.52A  | 5.62A  | 5.80A  | 5.91A  | 6.02A  |
| Voltage at Maximum Power (V <sub>mpp</sub> ) | 36.60V | 36.80V | 36.80V | 37.00V | 37.10V |
| Current at Maximum Power (I <sub>mp</sub> )  | 5.19A  | 5.27A  | 5.45A  | 5.55A  | 5.66A  |
| Module Efficiency (%)                        | 14.88% | 15.27% | 15.67% | 16.06% | 16.45% |

STC: Irradiance 1000 W/m<sup>2</sup>, 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         | 72 (6 × 12)  |
| Dimensions           | 1580×808 × 35mm  |
| Weight               | 15.5 kgs   |
| Front                | Glass 3.2 mm tempered glass  |
| Frame                | Anodized aluminium alloy   |
| Junction Box         | IP65/IP67 rated (3 bypass diodes)  |
| Output Cables        | TÜV (2Pfg1169:2007),<br>UL 4703, 4.0 mm <sup>2</sup> ,<br>symmetrical length |
|                      | (-) 900mm and (+) 900mm  |
| 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                             | 15 A                           |        |
| Power Tolerance  | 0/+5W                          |        |
| <b>Temperature Characteristics</b>                     |                                |        |
| Nominal Operating Cell Temperature (N <sub>OC</sub> T) | 45±2°C                         |        |
| Temperature Coefficient of P <sub>max</sub>            | -0.44 %/°C                     |        |
| Temperature Coefficient of V <sub>oc</sub>             | -0.33 %/°C                     |        |
| Temperature Coefficient of I <sub>sc</sub>             | 0.055 %/°C                     |        |
| <b>Packing Configuration</b>                           |                                |        |
| Container  | 20' GP                         | 40' GP |
| Pieces per pallet                                      | 29                             | 29     |
| Pallets per container                                  | 12                             | 28     |
| Pieces per container                                   | 348                            | 812    |

