

**5 YEAR  
Warranty**

## Electrical

| STC                                      | SMF175M-4X09UW | SMF100S-4X09UW | SMF090S-4X08UW |
|------------------------------------------|----------------|----------------|----------------|
| Maximum Power (P <sub>max</sub> )        | 175            | 100            | 90             |
| Maximum Power Voltage (V <sub>mp</sub> ) | 19.5           | 18.9           | 16.7           |
| Maximum Power Current (I <sub>mp</sub> ) | 8.98           | 5.29           | 5.38           |
| Open-circuit Voltage (V <sub>oc</sub> )  | 23.9           | 22.5           | 21.1           |
| Short-circuit Current (I <sub>sc</sub> ) | 9.50           | 5.75           | 5.64           |
| Module Efficiency (%)                    | 17.3           | 15.0           | 15.1           |
| Operating Temperature (°C)               | -40°C to 85 °C |                |                |
| Maximum System Voltage                   | 600 V DC (IEC) |                |                |
| Maximum Series Fuse Rating               | 20 A           |                |                |
| Application Class                        | Class A        |                |                |
| Power Tolerance                          | 0/+5 W         |                |                |

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM=1.5.

## Mechanical Characteristics

| Product           | SMF175M-4X09UW                                                         | SMF100S-4X09UW  | SMF090S-4X08UW  |
|-------------------|------------------------------------------------------------------------|-----------------|-----------------|
| Solar Cell        | Mono (6 inches)                                                        | Mono (5 inches) | Mono (5 inches) |
| No. of Cells      | 36 (4×09)                                                              | 36 (4×09)       | 32 (4×08)       |
| Module Dimensions | 1504×673×2 mm                                                          | 1219×546×2 mm   | 1092×546×2 mm   |
| Weight            | 3.0kgs                                                                 | 1.9 kgs         | 1.7 kgs         |
| Backsheet         | White                                                                  |                 |                 |
| Jbox              | IP 68 rated (each j-box have one bypass diodes)                        |                 |                 |
| Output Cables     | Photovoltaic technology cable 4.0 mm <sup>2</sup> , (+)150 / (-)450 mm |                 |                 |
| Connector         | MC4 compatible                                                         |                 |                 |



CAUTION: Read installation manual before using the product.

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