

# 54 Cells Mono

## 240-275W (5BB)



**BIS TESTED PANELS**



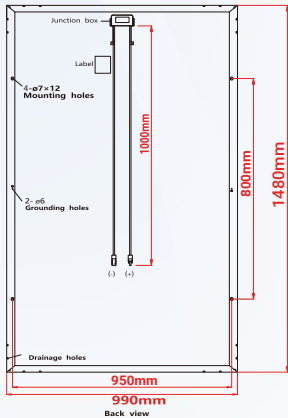
### Electrical Characteristics STC\*

| MODEL NO                     | SESM 18 240     | SESM 18 245 | SESM 18 250 | SESM 18 255 | SESM 18 260 | SESM 18 265 | SESM 18 270 | SESM 18 275 |
|------------------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Rated Power (Pmax)           | 240 W           | 245 W       | 250 W       | 255 W       | 260 W       | 265 W       | 270 W       | 275 W       |
| Voltage at Pmax (Vmp)        | 27.90 V         | 28.08 V     | 28.70 V     | 28.80 V     | 28.90 V     | 29.11 V     | 29.16 V     | 29.21 V     |
| Current at Pmax (Imp)        | 8.61 A          | 8.75 A      | 8.80 A      | 8.87 A      | 9.00 A      | 9.10 A      | 9.26 A      | 9.41 A      |
| Warranted Minimum Pmax       | 240 W           | 245 W       | 250 W       | 255 W       | 260 W       | 265 W       | 270 W       | 275 W       |
| Short-Circuit Current (Isc)  | 9.20 A          | 9.30 A      | 9.35 A      | 9.42 A      | 9.55 A      | 9.58 A      | 9.75 A      | 9.91 A      |
| Open-Circuit Voltage (Voc)   | 34.10 V         | 34.25 V     | 35.20 V     | 35.30 V     | 35.35 V     | 35.50 V     | 35.56 V     | 35.63 V     |
| Module Efficiency            | 16.35 %         | 16.69 %     | 17.03 %     | 17.37 %     | 17.72 %     | 18.06 %     | 18.40 %     | 18.74 %     |
| Operating Module Temperature | -40°C to + 85°C |             |             |             |             |             |             |             |
| Maximum System Voltage       | 1,000V          |             |             |             |             |             |             |             |
| Maximum Series Fuse Rating   | 15A             |             |             |             |             |             |             |             |
| Maximum Reverse Current      | 20A             |             |             |             |             |             |             |             |
| Power Tolerance              | 0 ~ +5W         |             |             |             |             |             |             |             |

STC(Irradiance 1,000W/m<sup>2</sup>, module temperature 25°C, AM=1.5)

### Mechanical Characteristics

|                                       |   |
|---------------------------------------|---|
| Cell Type                             | Monocrystalline Size 156.75x156.75mm        |
| Number of Cells                       | 54(6x9)                                     |
| Dimensions                            | 1480x990x35mm                               |
| Weight                                | 18.50 kg                                    |
| Front Cover                           | Tempered Glass with Anti Reflective Coating |
| Frame Material                        | Anodized Aluminium Alloy                    |
| Standard Packing (Modules per Pallet) | 26pcs                                       |



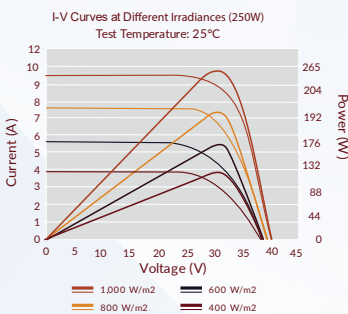
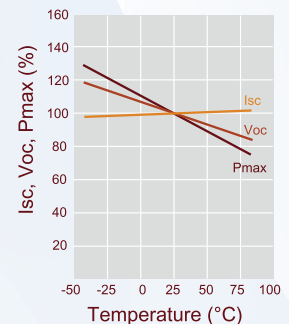
### Maximum Ratings

|                             |              |
|-----------------------------|--------------|
| Operating Temperature range | -45°C ~+85°C |
| Maximum system Voltage      | 1000V        |
| Max series fuse rating      | 15A          |
| Max front load (e.g.: snow) | 5400Pa       |
| Max back load (e.g.: wind)  | 2400Pa       |

### Temperature Characteristics

|                                    |           |
|------------------------------------|-----------|
| Nominal Operating Cell Temperature | 45±2°C    |
| Temperature Coefficient of Pmax    | -0.42%/°C |
| Temperature Coefficient of Voc     | -0.30%/°C |
| Temperature Coefficient of Isc     | 0.06%/°C  |

Irradiance: AM 1.5, 1,000W/m<sup>2</sup>(250W)



## OUR CERTIFICATES

