



# 330w~345w

## G1 solar modules Power max series

Mono MBB perc large size half cut module

The modules adopt MBB, PERC cells and half-cut technology. The technology can reduce BOS cost for per wattage, at the same time, the half-cut technology can effectively reduce the heat spot risk of high power modules and show better power generation performance and reliability in system application.

### MODULE CHARACTER



PID Resistance



Salt mist resistance  
Ammonia resistance  
dust and hail resistance



Production process reliability test



0~+5W Positive Tolerance



Mono MBB half cut



Reduce BOS cost increase ROI

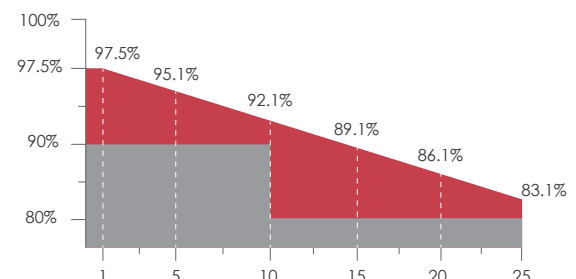
### CERTIFICATION

IEC61215/IEC61730

ISO9001:Quality Management System

ISO14001:Environmental Management System

ISO45001:Occupational Health and Safety Management System



Linear performance warranty



Product warranty

### SUNRISE ENERGY CO., LTD

TEL:+86-519-81688389 E-mail:info@sunriseenergy.cn

ADD:No.20 Tongzi River West Road, Zhonglou Development Zone, Changzhou, Jiangsu



| Module Type                                   | SR-M660330HL                                |       | SR-M660335HL |       | SR-M660340HL |      | SR-M660345HL |       |
|-----------------------------------------------|---------------------------------------------|-------|--------------|-------|--------------|------|--------------|-------|
| Module Efficiency                             | 19.56                                       |       | 19.86        |       | 20.15        |      | 20.45        |       |
| Tolerance (W)                                 | 0~+5                                        |       | 0~+5         |       | 0~+5         |      | 0~+5         |       |
| Test Environment                              | STC                                         | NOCT  | STC          | NOCT  | STC          | NOCT | STC          | NOCT  |
| Maximum Power Pmax(W)                         | 330                                         | 246   | 335          | 250   | 340          | 254  | 345          | 257.7 |
| Open Circuit Voltage Voc(V)                   | 41.43                                       | 38.33 | 41.65        | 38.55 | 41.92        | 38.8 | 42.14        | 39    |
| Short Circuit Current Isc(A)                  | 10.28                                       | 8.63  | 10.31        | 8.71  | 10.46        | 8.83 | 10.56        | 8.91  |
| Maximum Power Voltage Vm(V)                   | 33.93                                       | 31.91 | 34.14        | 32.12 | 34.33        | 32.3 | 34.51        | 32.47 |
| Maximum Power Current Im(A)                   | 9.73                                        | 7.73  | 9.82         | 7.79  | 9.91         | 7.86 | 10           | 7.93  |
| Cell Type (mm)                                | 158.75×79.375(9BB Mono-Crystalline Silicon) |       |              |       |              |      |              |       |
| Number of Cells (Pcs)                         | 120(6×20)                                   |       |              |       |              |      |              |       |
| Maximum System Voltage (V)                    | DC1000/DC1500                               |       |              |       |              |      |              |       |
| Temp.Coeff.of Voc (%/°C)                      | -0.282                                      |       |              |       |              |      |              |       |
| Temp.Coeff.of Isc (%/°C)                      | 0.041                                       |       |              |       |              |      |              |       |
| Temp.Coeff.of Pm (%/°C)                       | -0.387                                      |       |              |       |              |      |              |       |
| Operating Temperature (°C)                    | -40 to 85                                   |       |              |       |              |      |              |       |
| Nominal Operating Cell Temperature(NOCT) (°C) | 45±2                                        |       |              |       |              |      |              |       |
| Max.Series Fuse (A)                           | 15/20                                       |       |              |       |              |      |              |       |
| Pressure Bearing (Pa)                         | 5400                                        |       |              |       |              |      |              |       |
| Wind Bearing (Pa)                             | 2400                                        |       |              |       |              |      |              |       |

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1 m/s

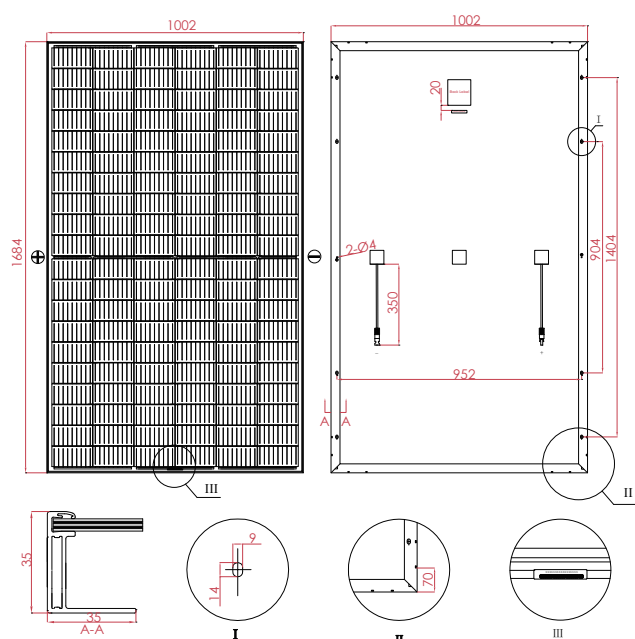
#### MATERIAL DETAILS

|                |                                         |                 |                                                                                        |
|----------------|-----------------------------------------|-----------------|----------------------------------------------------------------------------------------|
| Frame          | Anodized aluminum                       | Glass           | 3.2mm low-iron tempered suede glass                                                    |
| Cell           | 6×20pcs 158.75x79.375mm mono solar cell | Junction Box    | IP≥68,TÜV & UL                                                                         |
| Diode quantity | 3                                       | Cable&Connector | 4mm <sup>2</sup> , MC4 or MC4 compatible<br>4mm <sup>2</sup> , EVO2 or EVO2 compatible |
| Cable length   | 350mm or as customer's requirements     |                 |                                                                                        |

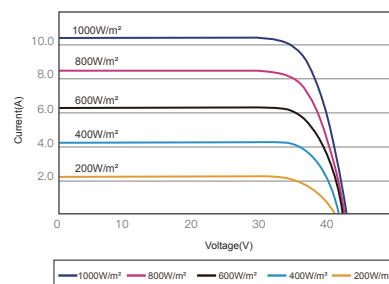
#### PACKING DETAILS

|                  |                                    |         |              |
|------------------|------------------------------------|---------|--------------|
| Dimension        | 1684×1002×35mm                     | Weight  | 19.1kg       |
| Loading Capacity | 366 pcs / 20'GP    884 pcs / 40'HC | Packing | 31pcs/pallet |

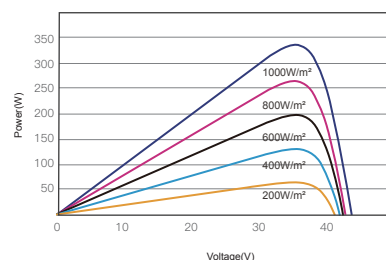
#### ENGINEERING DRAWINGS



#### IV CURVES



I-V CURVES OF PV MODULE(340W)



P-V CURVES OF PV MODULE(340W)