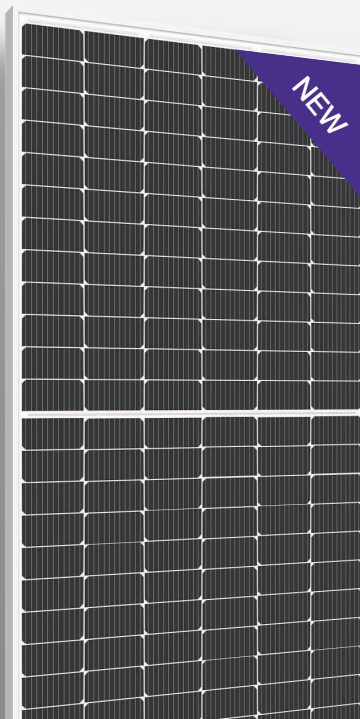




## Aquaman Series M10 Mono Half Cell Module

SR-72MHLPro  
530~550W

SR-72M530HLPro  
SR-72M535HLPro  
SR-72M540HLPro  
SR-72M545HLPro  
SR-72M550HLPro

IEC61215/IEC61730

ISO9001:Quality Management System ISO14001:Environmental Management System

ISO45001:Occupational Health and Safety Management System



Higher Power Output



Better Low-light  
Performance



MBB Half Cut Cell With  
PERC Technology



less shading effect

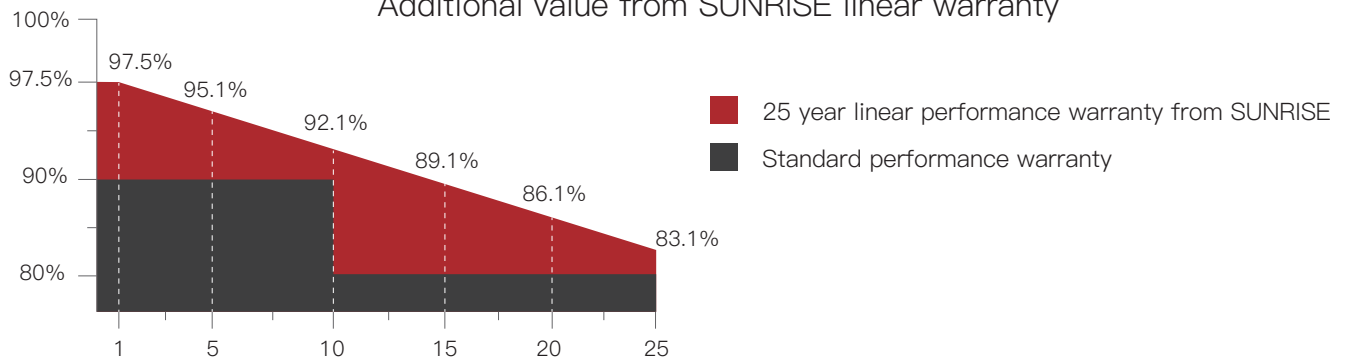


0~+5W Positive  
Tolerance



PID Resistance

### Additional value from SUNRISE linear warranty





# M10 Mono Half Cell(6x24) Mono Solar Module

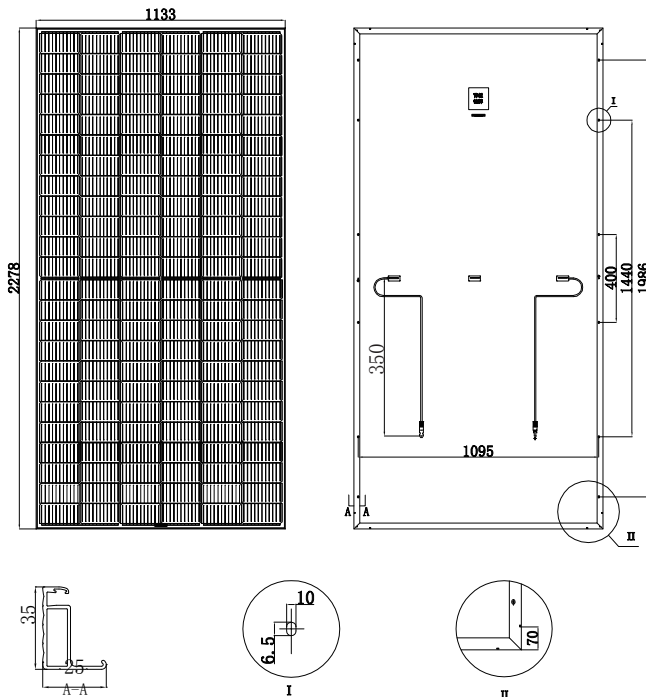


| Module Type                               |                      | SR-72M530HLPro                         |        | SR-72M535HLPro |        | SR-72M540HLPro |        | SR-72M545HLPro |        | SR-72M550HLPro |        |
|-------------------------------------------|----------------------|----------------------------------------|--------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
| Test Environment                          |                      | STC                                    | NOCT   | STC            | NOCT   | STC            | NOCT   | STC            | NOCT   | STC            | NOCT   |
| Tolerance                                 | (W)                  | 0 ~ +5                                 |        |                |        |                |        |                |        |                |        |
| Module Efficiency                         | (%)                  | 20.54                                  |        | 20.73          |        | 20.93          |        | 21.12          |        | 21.31          |        |
| Maximum Power                             | P <sub>max</sub> (W) | 530                                    | 394.44 | 535            | 398.16 | 540            | 401.88 | 545            | 405.61 | 550            | 409.33 |
| Open Circuit Voltage                      | V <sub>oc</sub> (V)  | 49.02                                  | 46.27  | 49.18          | 46.42  | 49.34          | 46.58  | 49.5           | 46.73  | 49.65          | 46.87  |
| Short Circuit Current                     | I <sub>sc</sub> (A)  | 13.79                                  | 11.14  | 13.87          | 11.20  | 13.96          | 11.27  | 14.04          | 11.34  | 14.13          | 11.41  |
| Maximum Power Voltage                     | V <sub>m</sub> (V)   | 40.47                                  | 37.65  | 40.6           | 37.77  | 40.73          | 37.89  | 40.86          | 38.02  | 40.99          | 38.14  |
| Maximum Power Current                     | I <sub>m</sub> (A)   | 13.1                                   | 10.48  | 13.18          | 10.54  | 13.26          | 10.60  | 13.34          | 10.67  | 13.42          | 10.73  |
| Cell Type                                 | (mm)                 | MBB-182×91mm(Mono-Crystalline Silicon) |        |                |        |                |        |                |        |                |        |
| Number of Cells                           | (Pcs)                | 144(6×24)                              |        |                |        |                |        |                |        |                |        |
| Maximum System Voltage                    | (V)                  | DC1500                                 |        |                |        |                |        |                |        |                |        |
| Temp. Coeff. of V <sub>oc</sub>           | (%/°C)               | -0.282                                 |        |                |        |                |        |                |        |                |        |
| Temp. Coeff. of I <sub>sc</sub>           | (%/°C)               | 0.05                                   |        |                |        |                |        |                |        |                |        |
| Temp. Coeff. of P <sub>m</sub>            | (%/°C)               | -0.348                                 |        |                |        |                |        |                |        |                |        |
| Operating Temperature                     | °C                   | -40 to 85                              |        |                |        |                |        |                |        |                |        |
| Nominal Operating Cell Temperature (NOCT) | °C                   | 45±2                                   |        |                |        |                |        |                |        |                |        |
| Max. Series Fuse                          | (A)                  | 25                                     |        |                |        |                |        |                |        |                |        |
| 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 1m/s

## ENGINEERING DRAWINGS

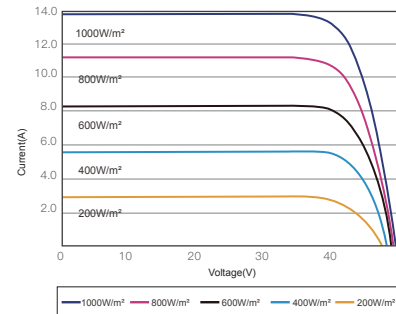


Manufactured in China

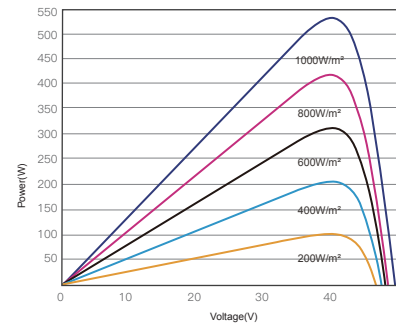
## MATERIAL DETAILS

|                 |                                            |
|-----------------|--------------------------------------------|
| Frame           | Anodized aluminum                          |
| Glass           | 3.2mm low-iron tempered suede glass        |
| Cell            | 6×24pcs mono solar cell                    |
| Junction Box    | IP ≥ 68, TUV & UL                          |
| Diode quantity  | 3                                          |
| Cable&Connector | 4mm <sup>2</sup> , EVO2 or EVO2 compatible |
| Cable length    | 350mm or as customer's requirements        |

## IV CURVES



I-V CURVES OF PV MODULE(540W)



P-V CURVES OF PV MODULE(540W)

## PACKING DETAILS

|                  |            |              |
|------------------|------------|--------------|
| Dimension        | (mm)       | 2278×1133×35 |
| Weight           | (kg)       | 28           |
| Loading Capacity |            | 620pcs/40HC  |
| Packing          | pcs/pallet | 31           |