



Hyper-ion™

## Heterojunction Hyper-ion Series Bifacial Module

**RSM132-8-700-725BHDG**

### Hyper-link Interconnection

Patented Technology

**700-725 W<sub>p</sub>**

Power Output Range

**23.3 %**

Higher Efficiency

**0~+3%**

Positive Power Tolerance



The module picture is for reference only



No B-O caused LID



Ultra-high bifacial factor



Ultra-high power generation, ultra-low carbon emission



Most stable power temperature coefficient



Lead technology of metallization process



Excellent anti-LID & anti-PID performance

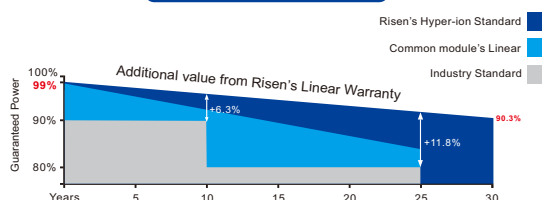


\* As there are different certification requirements in different markets, please contact your local Risen Energy sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

### LINEAR PERFORMANCE WARRANTY

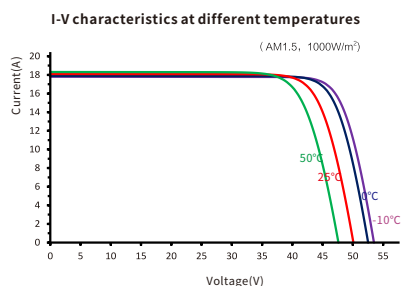
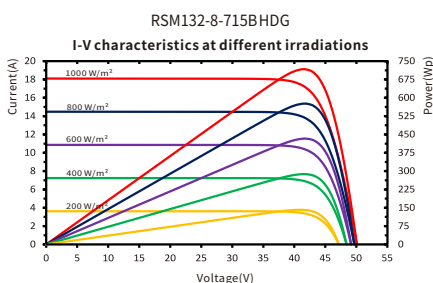
15 years product warranty / 30 years linear power warranty

0.3% Annual Degradation over 30 years



\* Please check the valid version of Limited Product Warranty which is officially released by Risen Energy Co., Ltd

## Unit: mm



|                                        |                    |
|----------------------------------------|--------------------|
|                                        | 40ft(HQ)           |
| Number of modules per container        | 558                |
| Number of modules per pallet           | 31                 |
| Number of pallets per container        | 18                 |
| Packaging box dimensions (LxWxH) in mm | 1320 × 1120 × 2520 |
| Box gross weight[kg]                   | 1300               |

| Model Type                    | RSM132-8-700-725BHDG |       |       |       |       |       |
|-------------------------------|----------------------|-------|-------|-------|-------|-------|
| Rated Power in Watts-Pmax(Wp) | 700                  | 705   | 710   | 715   | 720   | 725   |
| Open Circuit Voltage-Voc(V)   | 49.83                | 49.92 | 50.01 | 50.09 | 50.18 | 50.26 |
| Short Circuit Current-Isc(A)  | 17.82                | 17.91 | 18.00 | 18.10 | 18.19 | 18.29 |
| Maximum Power Voltage-Vmp(V)  | 41.78                | 41.86 | 41.93 | 42.00 | 42.08 | 42.14 |
| Maximum Power Current-Impp(A) | 16.77                | 16.86 | 16.95 | 17.05 | 17.13 | 17.23 |
| Module Efficiency (%) ★       | 22.5                 | 22.7  | 22.9  | 23.0  | 23.2  | 23.3  |

Bifacial factor:  $85 \pm 10(\%)$       ★ Module Efficiency (%): Rounding to the nearest number

|                                   |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|
| Total Equivalent power -Pmax (Wp) | 770   | 776   | 781   | 787   | 792   | 798   |
| Open Circuit Voltage-Voc(V)       | 49.83 | 49.92 | 50.01 | 50.09 | 50.18 | 50.26 |
| Short Circuit Current-Isc(A)      | 19.60 | 19.70 | 19.80 | 19.91 | 20.01 | 20.12 |
| Maximum Power Voltage-Vmpp(V)     | 41.78 | 41.86 | 41.93 | 42.00 | 42.08 | 42.14 |
| Maximum Power Current-Imp(A)      | 18.44 | 18.55 | 18.65 | 18.76 | 18.85 | 18.95 |

| Model Type                     | RSM132-8-700-725BHDG |       |       |       |       |       |
|--------------------------------|----------------------|-------|-------|-------|-------|-------|
| Maximum Power-Pmax (Wp)        | 534.5                | 538.5 | 542.3 | 546.2 | 550.1 | 553.9 |
| Open Circuit Voltage-Voc (V)   | 46.69                | 46.78 | 46.86 | 46.93 | 47.02 | 47.09 |
| Short Circuit Current-Isc (A)  | 14.61                | 14.68 | 14.76 | 14.84 | 14.92 | 15.00 |
| Maximum Power Voltage-Vmpp (V) | 39.07                | 39.14 | 39.21 | 39.27 | 39.34 | 39.40 |
| Maximum Power Current-Imp (A)  | 13.68                | 13.76 | 13.83 | 13.91 | 13.98 | 14.06 |

|                    |                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------|
| Solar cells        | <i>n</i> -type HJT                                                                                 |
| Cell configuration | 132 cells (6×11+6×11)                                                                              |
| Module dimensions  | 2384×1303×35mm                                                                                     |
| Weight             | 40.5kg                                                                                             |
| Superstrate        | High Transmission, AR Coated Heat Strengthened Glass                                               |
| Substrate          | Heat Strengthened Glass                                                                            |
| Frame              | High strength alloy steel                                                                          |
| J-Box              | Potted, IP68, 1500VDC, 3 Schottky by pass diodes                                                   |
| Cables             | 4.0mm <sup>2</sup> , Positive(+)350mm, Negative(-)230mm (Connector Included), or customized length |
| Connector          | Risen Twinsel PV-SY02, IP68                                                                        |

|                                             |               |
|---------------------------------------------|---------------|
| Nominal Module Operating Temperature (NMOT) | 43°C ± 2°C    |
| Temperature Coefficient of Voc              | -0.22%/°C     |
| Temperature Coefficient of Isc              | 0.047%/°C     |
| Temperature Coefficient of Pmax             | -0.24%/°C     |
| Operational Temperature                     | -40°C ~ +85°C |
| Maximum System Voltage                      | 1500VDC       |
| Max Series Fuse Rating                      | 35A           |
| Limiting Reverse Current                    | 35A           |



Website: [www.risenenergy.com](http://www.risenenergy.com)

No special undertaking or warranty for the suitability of special purpose or being installed in extraordinary surroundings is granted unless as otherwise specifically committed by manufacturer in contract document.

Version:REM132-BHDG-0BB-EN-H1-1-2024