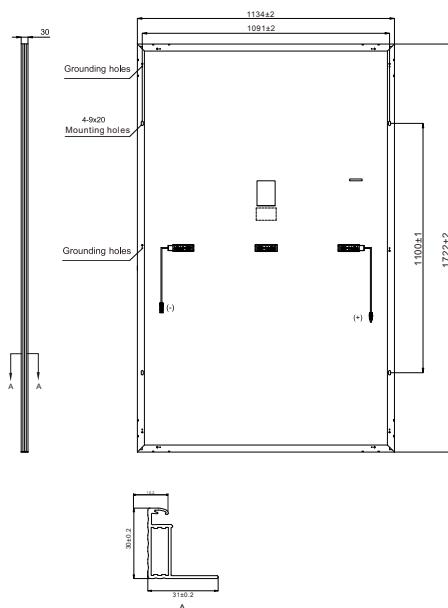


Dimensions of PV Module Unit: mm

ELECTRICAL DATA (STC)

| Model Number | RSM108-9-415N | RSM108-9-420N | RSM108-9-425N | RSM108-9-430N | RSM108-9-435N | RSM108-9-440N |
|-------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Rated Power in Watts-Pmax(Wp) | 415 | 420 | 425 | 430 | 435 | 440 |
| Open Circuit Voltage-Voc(V) | 38.67 | 38.87 | 39.07 | 39.27 | 39.47 | 39.67 |
| Short Circuit Current-Isc(A) | 13.70 | 13.78 | 13.86 | 13.94 | 14.00 | 14.06 |
| Maximum Power Voltage-Vmpp(V) | 32.37 | 32.56 | 32.75 | 32.95 | 33.15 | 33.34 |
| Maximum Power Current-Impp(A) | 12.84 | 12.92 | 13.00 | 13.07 | 13.13 | 13.18 |
| Module Efficiency (%) * | 21.3 | 21.5 | 21.8 | 22.0 | 22.3 | 22.5 |

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

* Module Efficiency (%): Rounding to the nearest number

ELECTRICAL DATA (NMOT)

| Model Number | RSM108-9-415N | RSM108-9-420N | RSM108-9-425N | RSM108-9-430N | RSM108-9-435N | RSM108-9-440N |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Maximum Power-Pmax (Wp) | 314.8 | 318.6 | 322.5 | 326.1 | 329.5 | 332.8 |
| Open Circuit Voltage-Voc (V) | 35.78 | 36.15 | 36.34 | 36.52 | 36.71 | 36.89 |
| Short Circuit Current-Isc (A) | 11.16 | 11.30 | 11.37 | 11.43 | 11.48 | 11.53 |
| Maximum Power Voltage-Vmpp (V) | 29.86 | 30.22 | 30.40 | 30.57 | 30.76 | 30.94 |
| Maximum Power Current-Impp (A) | 10.48 | 10.54 | 10.61 | 10.67 | 10.71 | 10.76 |

NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

| | |
|--------------------|---|
| Solar cells | n-type |
| Cell configuration | 108 cells (6×9+6×9) |
| Module dimensions | 1722×1134×30mm |
| Weight | 22kg |
| Superstrate | High Transmission, Low Iron, Tempered ARC Glass |
| Substrate | White Back-sheet |
| Frame | Anodized Aluminium Alloy, Black |
| J-Box | Potted, IP68, 1500VDC, 3 Schottky bypass diodes |
| Cables | 4.0mm ² (12AWG), Positive(+)350mm, Negative(-)230mm (Connector Included) |
| Connector | Risen Twinsel PV-SY02, IP68 |

TEMPERATURE & MAXIMUM RATINGS

| | |
|---|-------------|
| Nominal Module Operating Temperature (NMOT) | 44°C±2°C |
| Temperature Coefficient of Voc | -0.25%/°C |
| Temperature Coefficient of Isc | 0.046%/°C |
| Temperature Coefficient of Pmax | -0.30%/°C |
| Operational Temperature | -40°C~+85°C |
| Maximum System Voltage | 1500VDC |
| Max Series Fuse Rating | 25A |
| Limiting Reverse Current | 25A |

Our Partners:
PACKAGING CONFIGURATION

| | 40ft(HQ) | 20ft |
|--|----------------|----------------|
| Number of modules per container | 936 | 216 |
| Number of modules per pallet | 36 | 36 |
| Number of pallets per container | 26 | 6 |
| Packaging box dimensions (LxWxH) in mm | 1738×1140×1260 | 1738×1140×1260 |
| Box gross weight[kg] | 835 | 835 |

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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THE POWER OF RISING VALUE