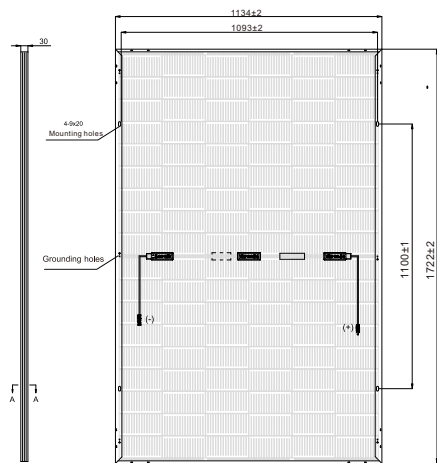


Dimensions of PV Module

Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM108-9-410BNDG	RSM108-9-415BNDG	RSM108-9-420BNDG	RSM108-9-425BNDG	RSM108-9-430BNDG	RSM108-9-435BNDG
Rated Power in Watts-Pmax(Wp)	410	415	420	425	430	435
Open Circuit Voltage-Voc(V)	38.47	38.67	38.87	39.07	39.26	39.46
Short Circuit Current-Isc(A)	13.61	13.69	13.78	13.86	13.94	14.01
Maximum Power Voltage-Vmpp(V)	32.20	32.39	32.59	32.78	32.98	33.18
Maximum Power Current-Impp(A)	12.75	12.83	12.91	12.99	13.06	13.12
Module Efficiency (%) ★	21.0	21.3	21.5	21.8	22.0	22.3

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM 1.5 according to EN 60904-3

★ Module Efficiency(%): Round-off to the nearest number

Sorting and binning tolerances: 0-4.99W Measurement tolerance: ±3%

Short Circuit Current tolerance: ±4% Open Circuit Voltage tolerance: ±3%

15 Years Limited Product Warranty; 30 Years Limited Power Warranty Bifacial factor: 80±10(%)

The first year degradation:1%,annual degradation:0.4%,power retention rate within 30 years:87.4%

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	451	457	462	468	473	479
Open Circuit Voltage-Voc(V)	38.47	38.67	38.87	39.07	39.26	39.46
Short Circuit Current-Isc(A)	14.97	15.06	15.15	15.24	15.33	15.41
Maximum Power Voltage-Vmpp(V)	32.20	32.39	32.59	32.78	32.98	33.18
Maximum Power Current-Impp(A)	14.03	14.12	14.20	14.29	14.36	14.43

Rear side power gain: The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

ELECTRICAL DATA (NMOT)

Model Number	RSM108-9-410BNDG	RSM108-9-415BNDG	RSM108-9-420BNDG	RSM108-9-425BNDG	RSM108-9-430BNDG	RSM108-9-435BNDG
Maximum Power-Pmax (Wp)	310.9	314.8	318.6	322.4	326.0	329.6
Open Circuit Voltage-Voc (V)	35.78	35.96	36.15	36.34	36.51	36.70
Short Circuit Current-Isc (A)	11.16	11.23	11.30	11.36	11.43	11.49
Maximum Power Voltage-Vmpp (V)	29.88	30.06	30.24	30.42	30.61	30.79
Maximum Power Current-Impp (A)	10.40	10.47	10.54	10.60	10.65	10.71

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	1722×1134×30/35mm
Weight	22.5~28.5kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² , Positive(+)350mm, Negative(-)230mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.26%/°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
Module Fire Performance	CLASS C (IEC)
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

PACKAGING CONFIGURATION

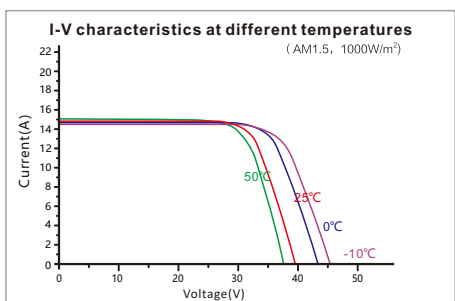
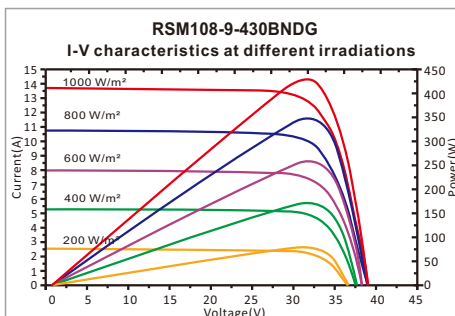
	40ft(HQ)	20ft
Number of modules per container	936	216
Number of modules per pallet	36	36
Number of pallets per container	26	6
Packaging box dimensions (LxWxH) in mm	1738×1140×1260	1738×1140×1260
Box gross weight[kg]	910	910

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

©2023 Risen Energy. All rights reserved. Contents included in this datasheet are subject to change without notice.

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.

THE POWER OF RISING VALUE



RISEN ENERGY CO., LTD

Tashan Industry Zone, Meilin,
Ninghai 315609, Ningbo | PRC

Tel: +86-574-59953239

Fax: +86-574-59953599

E-mail: marketing@risenenergy.com

Website: www.risenenergy.com

REM108-BNDG-16BB-EN-H2-1-2023-AU