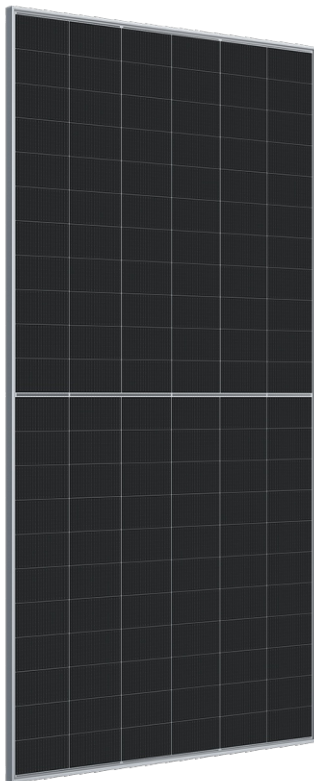


n-type TOPCon

HIGH PERFORMANCE BIFACIAL MODULE

RSM132-8-695-720BNDG



The module picture is for reference only

695-720 _{Wp}

Power Output Range

23.2 %

Maximum Efficiency






0~+3 %

Positive power tolerance

1500 _{VDC}

Maximum System Voltage

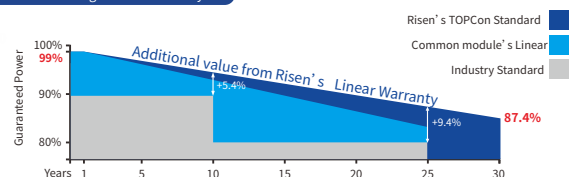
KEY FEATURES

-  Excellent power generation
-  Excellent anti-LID & anti-PID performance
-  Excellent temperature coefficient (Pmax): - 0.29%/°C
-  Excellent weak-light performance
-  Excellent warranty assurance

LINEAR PERFORMANCE WARRANTY

15 years Product Warranty / 30 years Linear Power Warranty

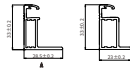
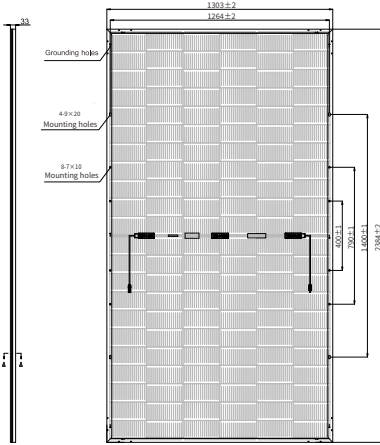
0.4% Annual Degradation over 30 years



* 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.

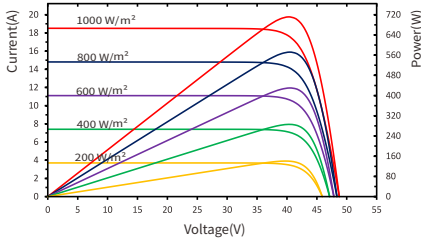
* Please check the valid version of Limited Product Warranty which is officially released by Risen Energy Co., Ltd

Dimensions of PV Module Unit: mm



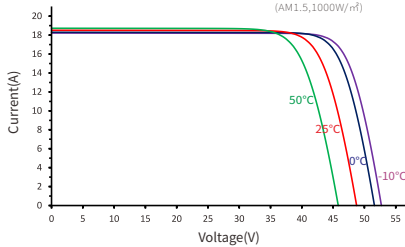
RSM132-8-710BNDG

I-V characteristics at different irradiances



I-V characteristics at different temperatures

(AM1.5, 1000W/m²)



PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	594
Number of modules per pallet	33
Number of pallets per container	18
Packaging box dimensions (LxWxH) in mm	1320×1125×2520
Box gross weight[kg]	1289

ELECTRICAL DATA (STC)

Model Type	RSM132-8-695-720BNDG					
Rated Power in Watts-Pmax(Wp)	695	700	705	710	715	720
Open Circuit Voltage-Voc(V)	48.20	48.39	48.57	48.75	48.94	49.13
Short Circuit Current-Isc(A)	18.35	18.40	18.45	18.51	18.56	18.61
Maximum Power Voltage-Vmpp(V)	40.25	40.44	40.62	40.78	40.96	41.14
Maximum Power Current-Impp(A)	17.27	17.31	17.36	17.42	17.46	17.51
Module Efficiency (%) ★	22.4	22.5	22.7	22.9	23.0	23.2

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

Bifacial factor: 80±10(%) ★ Module Efficiency (%): Rounding to the nearest number

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	765	771	777	782	788	793
Open Circuit Voltage-Voc(V)	48.20	48.39	48.57	48.75	48.94	49.13
Short Circuit Current-Isc(A)	20.05	20.12	20.19	20.24	20.30	20.35
Maximum Power Voltage-Vmpp(V)	40.25	40.44	40.62	40.78	40.96	41.14
Maximum Power Current-Impp(A)	19.01	19.06	19.12	19.17	19.23	19.27

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 Type	RSM132-8-695-720BNDG					
Maximum Power-Pmax (Wp)	526.7	530.7	534.6	538.2	542.2	545.8
Open Circuit Voltage-Voc (V)	44.92	45.10	45.26	45.43	45.61	45.78
Short Circuit Current-Isc (A)	14.95	15.00	15.05	15.09	15.13	15.17
Maximum Power Voltage-Vmpp (V)	37.35	37.53	37.70	37.84	38.01	38.18
Maximum Power Current-Impp (A)	14.10	14.14	14.18	14.22	14.26	14.30

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

MECHANICAL DATA

Solar cells	n-type TOPCon
Cell configuration	132 cells (6×11+6×11)
Module dimensions	2384×1303×33mm (93.86×51.30×1.30 in)
Weight	37.5kg (82.67 lb)
Superstrate	2.0mm(0.08 in), High Transmission, AR Coated Heat Strengthened Glass
Substrate	2.0mm(0.08 in), Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm ² , 350mm(13.78 in)(+), 230mm(9.06 in)(-), connector Included, or customized length
Connector	Risen Twinsel PV-SY02, IP68
Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back), under certain installation method

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	-0.29%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	35A
Limiting Reverse Current	35A



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

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

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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

Version: REM132-BNDG-EN-H2-3-2024