



RSM132-8-650BMDG-670BMDG_

Celdas

132

Eficiencia

Hasta 21,6 %

Dimensiones del módulo

2384 X 1303 X 35 mm

Características del módulo

Bifacial

Packaging

33 módulos por pallet, 594 módulos por 40'HC

Tecnología

P-Type

Garantía del producto

12 años de garantía

Garantía del rendimiento

30 años de garantía





HIGH PERFORMANCE BIFACIAL PERC MONOCRYSTALLINE MODULE































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

RISEN ENERGY CO., LTD.

Risen Energy is a leading, global tier 1 manufacturer of high-performance solar photovoltaic products and provider of total business solutions for residential, commercial and utility-scale power generation. The company, founded in 1986, and publicly listed in 2010, compels value generation for its chosen global customers. Techno-commercial innovation, underpinned by consummate quality and support, encircle Risen Energy's total Solar PV business solutions which are among the most powerful and cost-effective in the industry. With local market presence and strong financial bankability status, we are committed, and able, to building strategic, mutually beneficial collaborations with our partners, as together we capitalise on the rising value of green energy.

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RSM132-8-650BMDG-670BMDG

650-670Wp **132 CELL Power Output Range** Mono PERC Module

1500VDC 21.6%

Maximum Efficiency Maximum System Voltage

KEY SALIENT FEATURES

Global, Tier 1 bankable brand, with independently TIER 1 certified state-of-the-art automated manufacturing

> Bifacial technology enables additional energy harvesting from rear side (up to 30%)

Industry leading lowest thermal co-efficient of power

Industry leading 12 years product warranty

Excellent low irradiance performance **Excellent PID resistance**

Bifacial

PID

Positive power tolerance of 0~+3%

2 Dual stage 100% EL Inspection warranting defect-free product

Module Imp binning radically reduces string mismatch losses

> Excellent wind load 2400Pa & snow load 5400Pa under certain installation method

Comprehensive product and system certification

- * IEC61215:2016; IEC61730-1/-2:2016;
- ISO 9001:2015 Quality Management System
- ISO 14001:2015 Environmental Management System
- ISO 45001:2018 Occupational Health and Safety Management System

LINEAR PERFORMANCE WARRANTY

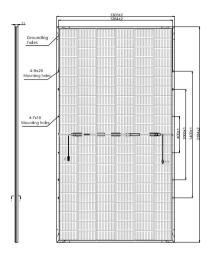
12 year Product Warranty / 30 year Linear Power Warranty



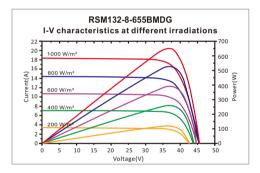
★ Please check the valid version of Limited Product Warranty which is officially released by Risen Energy Co., Ltd

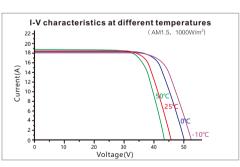


Dimensions of PV Module Unit: mm









Our Partners:

ELECTRICAL DATA (STC)

Model Number	RSM132-8-650BMDG	RSM132-8-655BMDG	RSM132-8-660BMDG	RSM132-8-665BMDG	RSM132-8-670BMDG
Rated Power in Watts-Pmax(Wp)	650	655	660	665	670
Open Circuit Voltage-Voc(V)	45.49	45.69	45.89	46.09	46.29
Short Circuit Current-Isc(A)	18.18	18.23	18.28	18.33	18.38
Maximum Power Voltage-Vmpp(V)	37.87	38.05	38.23	38.41	38.59
Maximum Power Current-Impp(A)	17.17	17.22	17.27	17.32	17.37
Module Efficiency (%) ★	20.9	21.1	21.2	21.4	21.6

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Bifacial factor: 70±10(%) ★Module Efficiency (%): Round-off to the nearest number

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	715	721	726	732	737
Open Circuit Voltage-Voc(V)	45.49	45.69	45.89	46.09	46.29
Short Circuit Current-Isc(A)	20.00	20.05	20.11	20.16	20.22
Maximum Power Voltage-Vmpp(V)	37.87	38.05	38.23	38.41	38.59
Maximum Power Current-Impp(A)	18.89	18.94	19.00	19.05	19.11

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)

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Model Number	RSM132-8-650BMDG	RSM132-8-655BMDG	RSM132-8-660BMDG	RSM132-8-665BMDG	RSM132-8-670BMDG
Maximum Power-Pmax (Wp)	492.4	496.2	500.0	503.8	507.6
Open Circuit Voltage-Voc (V)	42.31	42.49	42.68	42.86	43.05
Short Circuit Current-Isc (A)	14.91	14.95	14.99	15.03	15.07
Maximum Power Voltage-Vmpp (V)	35.14	35.31	35.48	35.64	35.81
Maximum Power Current-Impp (A)	14.01	14.05	14.09	14.13	14.17

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

MECHANICAL DATA

Monocrystalline		
132 cells (6×11+6×11)		
2384×1303×33mm		
38.3kg		
High Transmission, AR Coated Heat Strengthened Glass		
Heat Strengthened Glass		
Anodized Aluminium Alloy , Silver Color		
Potted, IP68, 1500VDC, 3 Schottky bypass diodes		
4.0mm ² , Positive(+)350mm, Negative(-)230mm (Connector Included)		
Risen Twinsel PV-SY02, IP68		
	132 cells (6×11+6×11) 2384×1303×33mm 38.3kg High Transmission, AR Coated Heat Strengthened Glass Heat Strengthened Glass Anodized Aluminium Alloy, Silver Color Potted, IP68, 1500VDC, 3 Schottky bypass diodes 4.0mm², Positive(+)350mm, Negative(-)230mm (Connector Included)	

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.34%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	35A
Limiting Reverse Current	35A

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]	1315

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

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