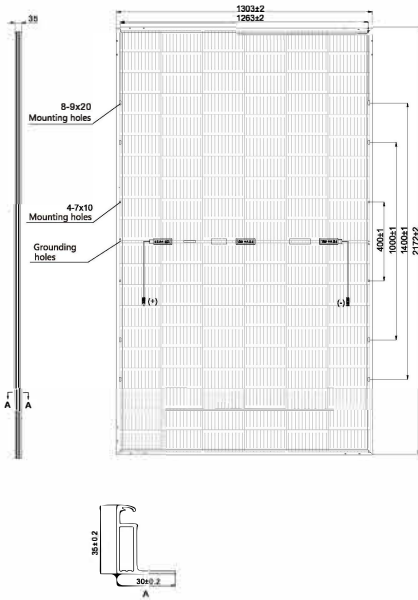


**Dimensions of PV Module** Unit: mm



**ELECTRICAL DATA (STC)**

Model Number	RSM120-8-605BNDG	RSM120-8-610BNDG	RSM120-8-615BNDG	RSM120-8-620BNDG	RSM120-8-625BNDG	RSM120-8-630BNDG
Rated Power in Watts-Pmax(Wp)	<b>605</b>	<b>610</b>	<b>615</b>	<b>620</b>	<b>625</b>	<b>630</b>
Open Circuit Voltage-Voc(V)	42.58	42.79	43.00	43.21	43.42	43.63
Short Circuit Current-Isc(A)	17.90	17.96	18.02	18.08	18.14	18.20
Maximum Power Voltage-Vmpp(V)	35.48	35.67	35.86	36.05	36.24	36.43
Maximum Power Current-Imp(A)	17.07	17.12	17.17	17.22	17.27	17.32
Module Efficiency (%) ★	21.4	21.6	21.7	21.9	22.1	22.3

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.  
 Bifacial factor: 80%±5 ★ 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

**Electrical characteristics with 10% rear side power gain**

	666	672	677	683	688	694
Total Equivalent power-Pmax (Wp)	666	672	677	683	688	694
Open Circuit Voltage-Voc(V)	42.58	42.79	43.00	43.21	43.42	43.63
Short Circuit Current-Isc(A)	19.69	19.76	19.82	19.89	19.95	20.02
Maximum Power Voltage-Vmpp(V)	35.48	35.67	35.86	36.05	36.24	36.43
Maximum Power Current-Imp(A)	18.78	18.83	18.89	18.94	19.00	19.05

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	RSM120-8-605BNDG	RSM120-8-610BNDG	RSM120-8-615BNDG	RSM120-8-620BNDG	RSM120-8-625BNDG	RSM120-8-630BNDG
Maximum Power-Pmax (Wp)	458.6	462.4	466.2	470.1	473.9	477.8
Open Circuit Voltage-Voc (V)	39.60	39.79	39.99	40.19	40.38	40.58
Short Circuit Current-Isc (A)	14.68	14.73	14.78	14.83	14.87	14.92
Maximum Power Voltage-Vmpp (V)	32.93	33.10	33.28	33.45	33.63	33.81
Maximum Power Current-Imp (A)	13.93	13.97	14.01	14.05	14.09	14.13

NMOT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

**MECHANICAL DATA**

Solar cells	N-type
Cell configuration	120 cells (6×10×6×10)
Module dimensions	2172×1303×30/35/40mm
Weight	35kg
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy type 6005-2T6, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), Positive(+)/350mm, Negative(-)/350mm (Connector Included)
Connector	Risen Twinsel PV-SY02, IP68

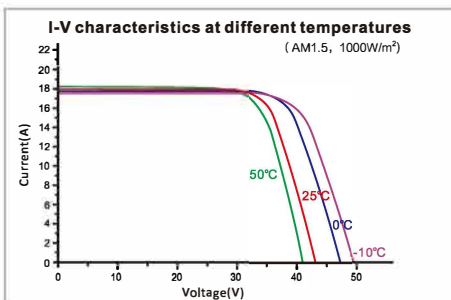
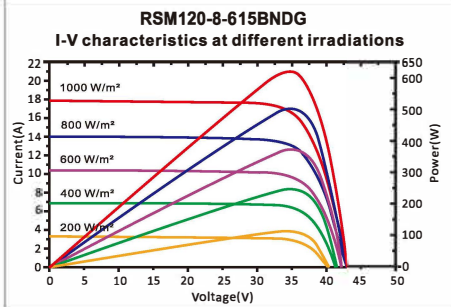
**TEMPERATURE & MAXIMUM RATINGS**

Nominal Module Operating Temperature (NMOT)	42°C±2°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.326%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS A(IEC)
Max Series Fuse Rating	35A
Limiting Reverse Current	35A

**PACKAGING CONFIGURATION**

	40ft(HQ)
Number of modules per container	527
Number of modules per pallet	31
Number of pallets per container	17
Packaging box dimensions (LxWxH) in mm	1350×1145×2310
Box gross weight[kg]	1130

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.



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