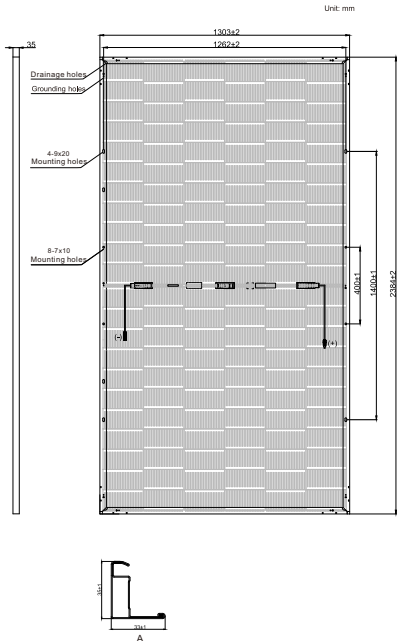


Dimensions of PV Module



ELECTRICAL DATA (STC)

Model Type	RSM132-8-710BHDG	RSM132-8-715BHDG
Rated Power in Watts-Pmax(Wp)	710	715
Open Circuit Voltage-Voc(V)	50.01	50.09
Short Circuit Current-Isc(A)	18.00	18.10
Maximum Power Voltage-Vmpp(V)	41.93	42.00
Maximum Power Current-Imp(A)	16.95	17.05
Module Efficiency (%) *	22.9	23.0

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: 85±10(%) * Module Efficiency (%): Round-off to the nearest number
 The first year degradation: 1%, annual degradation: 0.3%, power retention rate within 30 years: 90.3%

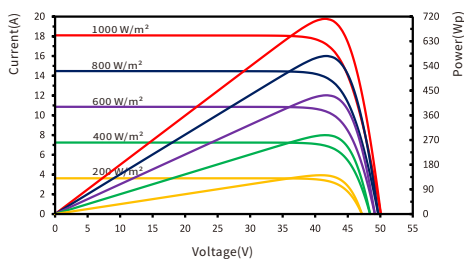
ELECTRICAL DATA (NMOT)

Model Type	RSM132-8-710BHDG	RSM132-8-715BHDG
Maximum Power-Pmax (Wp)	542.3	546.2
Open Circuit Voltage-Voc (V)	46.86	46.93
Short Circuit Current-Isc (A)	14.76	14.84
Maximum Power Voltage-Vmpp (V)	39.21	39.27
Maximum Power Current-Imp (A)	13.83	13.91

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

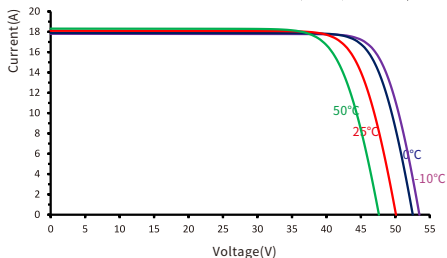
RSM132-8-715BHDG

I-V characteristics at different irradiances



I-V characteristics at different temperatures

(AM1.5, 1000W/m²)



MECHANICAL DATA

Solar cells	n-type HJT
Cell configuration	132 cells (6 × 11+6 × 11)
Module dimensions	2384 × 1303 × 30/35/40mm
Weight	35.0~43.0kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	High strength alloy steel
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm ² , Positive(+)350mm, Negative(-)230mm (Connector Included), or customized length
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	43°C ± 2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C ~ +85°C
Maximum System Voltage	1500VDC
Fire Class According to UL790	CLASS C
Max Series Fuse Rating	35A
Limiting Reverse Current	35A

PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	558
Number of modules per pallet	31
Number of pallets per container	18
Packaging box dimensions (LxWxH) in mm	1320 × 1120 × 2520
Box gross weight [kg]	1300



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.

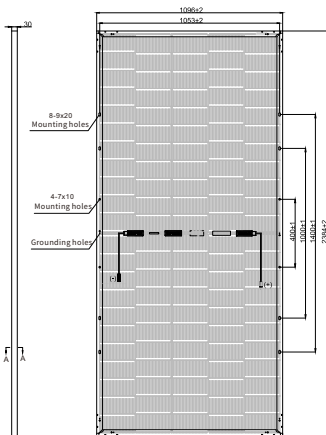
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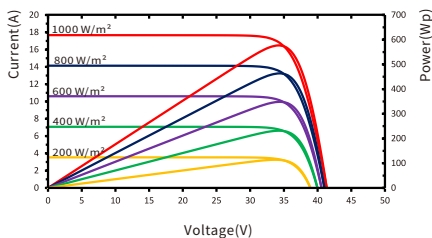
Dimensions of PV Module

Unit: mm



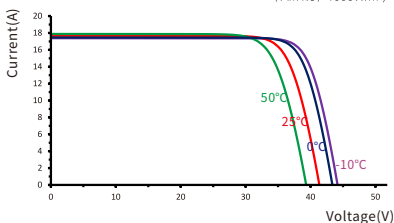
RSM110-8-585BHDG

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	700
Number of modules per pallet	35
Number of pallets per container	20
Packaging box dimensions (LxWxH) in mm	2395×1075×1235
Box gross weight[kg]	1230

ELECTRICAL DATA (STC)

Model Type	RSM110-8-585-590BHDG	
Rated Power in Watts-Pmax(Wp)	585	590
Open Circuit Voltage-Voc(V)	41.55	41.64
Short Circuit Current-Isc(A)	17.88	17.98
Maximum Power Voltage-Vmpp(V)	34.84	34.92
Maximum Power Current-Impp(A)	16.81	16.92
Module Efficiency (%) *	22.4	22.6

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%

Bifacial factor:85±10(%) 15 Years Limited Product Warranty; 30 Years Limited Power Warranty

The first year degradation:1%,annual degradation:0.3%,power retention rate within 30 years:90.3%

ELECTRICAL DATA (NMOT)

Model Type	RSM110-8-585-590BHDG	
Maximum Power-Pmax (Wp)	447.0	450.8
Open Circuit Voltage-Voc (V)	38.93	39.02
Short Circuit Current-Isc (A)	14.66	14.74
Maximum Power Voltage-Vmpp (V)	32.58	32.65
Maximum Power Current-Impp (A)	13.72	13.81

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

MECHANICAL DATA

Solar cells	n-type HJT
Cell configuration	110 cells (5×11+5×11)
Module dimensions	2384×1096×30/35/40mm
Weight	31.0~38.0kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	High strength alloy steel
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm², Positive(+)/350mm, Negative(-)/230mm (Connector Included), or customized length
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Fire Class According to UL790	CLASS C
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

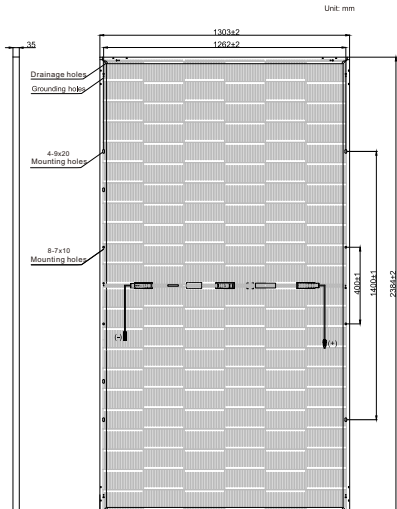
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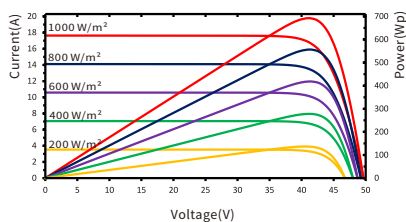
Version: REM110-BHDG-24BB-EN-H2-1-2023-AU

Dimensions of PV Module



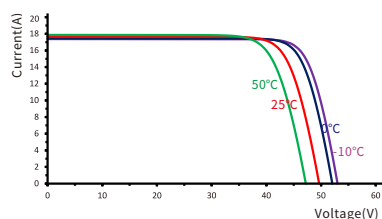
RSM132-8-700BHDG

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	558
Number of modules per pallet	31
Number of pallets per container	18
Packaging box dimensions (LxWxH) in mm	1320×1120×2520
Box gross weight [kg]	1300

ELECTRICAL DATA (STC)

Model Type	RSM132-8-700BHDG	RSM132-8-705BHDG
Rated Power in Watts-Pmax(Wp)	700	705
Open Circuit Voltage-Voc(V)	49.83	49.92
Short Circuit Current-Isc(A)	17.82	17.91
Maximum Power Voltage-Vmpp(V)	41.78	41.86
Maximum Power Current-Imp(A)	16.77	16.86
Module Efficiency (%) ★	22.5	22.7

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%

Bifacial factor: 85±10(%) ★ Module Efficiency (%): Round-off to the nearest number

The first year degradation: 1%, annual degradation: 0.3%, power retention rate within 30 years: 90.3%

ELECTRICAL DATA (NMOT)

Model Type	RSM132-8-700BHDG	RSM132-8-705BHDG
Maximum Power-Pmax (Wp)	534.5	538.0
Open Circuit Voltage-Voc (V)	46.69	46.78
Short Circuit Current-Isc (A)	14.61	14.68
Maximum Power Voltage-Vmpp (V)	39.07	39.14
Maximum Power Current-Imp (A)	13.68	13.76

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

MECHANICAL DATA

Solar cells	n-type HJT
Cell configuration	132 cells (6×11+6×11)
Module dimensions	2384×1303×30/35/40mm
Weight	35.0~43.0kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	High strength alloy steel
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm², Positive(+)350mm, Negative(-)230mm (Connector Included), or customized length
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Fire Class According to UL790	CLASS C
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

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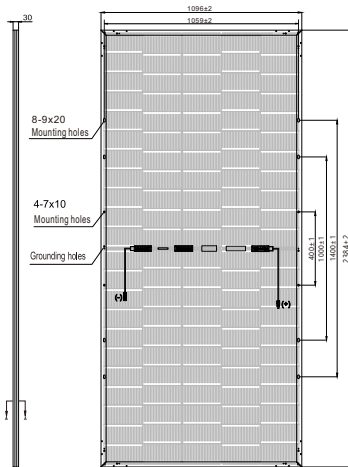
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THE POWER OF RISING VALUE

Version:REM132-BHDG-24BB-EN-H2-1-2023-AU

Dimensions of PV Module



ELECTRICAL DATA (STC)

Model Number	RSM110-8-565BHDG	RSM110-8-570BHDG	RSM110-8-575BHDG	RSM110-8-580BHDG
Rated Power in Watts-Pmax(Wp)	565	570	575	580
Open Circuit Voltage-Voc(V)	41.18	41.27	41.36	41.46
Short Circuit Current-Isc(A)	17.47	17.57	17.67	17.77
Maximum Power Voltage-Vmpp(V)	34.53	34.60	34.68	34.76
Maximum Power Current-Impp(A)	16.39	16.49	16.60	16.71
Module Efficiency (%) *	21.6	21.8	22.0	22.2

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%

Bifacial factor: 85±10(%) * Module Efficiency (%): Round-off to the nearest number

15 Years Limited Product Warranty; 30 Years Limited Power Warranty

Electrical characteristics with 10% rear side power gain

	622	627	633	638
Total Equivalent power -Pmax (Wp)	622	627	633	638
Open Circuit Voltage-Voc(V)	41.18	41.27	41.36	41.46
Short Circuit Current-Isc(A)	19.21	19.32	19.44	19.55
Maximum Power Voltage-Vmpp(V)	34.53	34.60	34.68	34.76
Maximum Power Current-Impp(A)	18.03	18.14	18.26	18.38

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	RSM110-8-565BHDG	RSM110-8-570BHDG	RSM110-8-575BHDG	RSM110-8-580BHDG
Maximum Power-Pmax (Wp)	431.7	435.4	439.3	443.1
Open Circuit Voltage-Voc (V)	38.59	38.67	38.75	38.85
Short Circuit Current-Isc (A)	14.32	14.40	14.49	14.57
Maximum Power Voltage-Vmpp (V)	32.29	32.36	32.43	32.50
Maximum Power Current-Impp (A)	13.37	13.46	13.55	13.63

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

MECHANICAL DATA

Solar cells	HJT cell
Cell configuration	110 cells (5×11+5×11)
Module dimensions	2384*1096*30/35/40mm
Weight	31~38kg
Superstrate	3.2/4.0 mm, High Transmission, AR Coated Heat Strengthened Glass
Substrate	Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, TÜV&UL Certified
Cables	4.0mm ² (12AWG), Positive(+)350mm, Negative(-)230mm (Connector Included) or customized length
Connector	Risen Twinsel PV-SY02 or MC4 EVO2, IP68

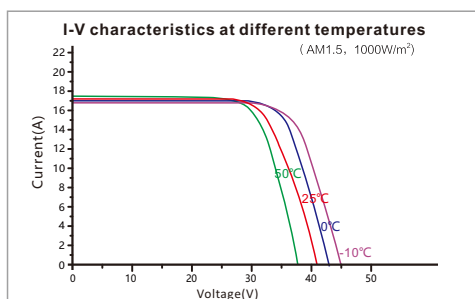
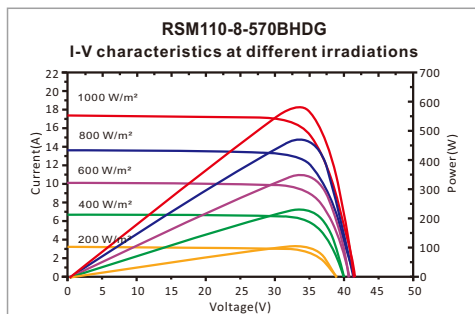
TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Fire Class According to UI790	CLASS C
Max Series Fuse Rating	35A
Limiting Reverse Current	35A

PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	700
Number of modules per pallet	35
Number of pallets per container	20
Packaging box dimensions (LxWxH) in mm	2395×1105×1235
Box gross weight[kg]	1223

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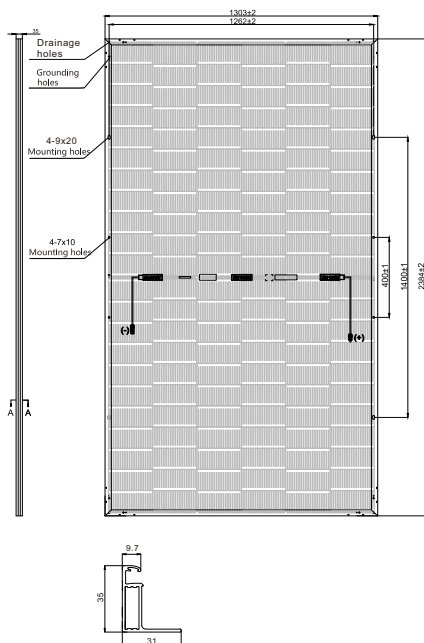


RISEN ENERGY CO., LTD

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

REM110-BHDG-24BB-EN-H2-1-2022-AU

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM132-8-670BHGD	RSM132-8-675BHGD	RSM132-8-680BHGD	RSM132-8-685BHGD	RSM132-8-690BHGD	RSM132-8-695BHGD
Rated Power in Watts-Pmax(Wp)	670	675	680	685	690	695
Open Circuit Voltage-Voc(V)	49.29	49.38	49.47	49.56	49.65	49.74
Short Circuit Current-Isc(A)	17.31	17.40	17.48	17.56	17.66	17.74
Maximum Power Voltage-Vmpp(V)	41.33	41.41	41.48	41.56	41.63	41.71
Maximum Power Current-Imp(A)	16.23	16.32	16.41	16.50	16.60	16.68
Module Efficiency (%) ★	22.6	21.7	21.9	22.1	22.2	22.4

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%

Bifacial factor: 85±10(%) ★ Module Efficiency (%): Round-off to the nearest number

15 Years Limited Product Warranty; 30 Years Limited Power Warranty

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	737	743	748	754	759	765
Open Circuit Voltage-Voc(V)	49.29	49.38	49.47	49.56	49.65	49.74
Short Circuit Current-Isc(A)	19.04	19.14	19.23	19.32	19.43	19.51
Maximum Power Voltage-Vmpp(V)	41.33	41.41	41.48	41.56	41.63	41.71
Maximum Power Current-Imp(A)	17.85	17.95	18.05	18.15	18.26	18.35

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	RSM132-8-670BHGD	RSM132-8-675BHGD	RSM132-8-680BHGD	RSM132-8-685BHGD	RSM132-8-690BHGD	RSM132-8-695BHGD
Maximum Power-Pmax (Wp)	511.7	515.6	519.3	523.0	527.2	530.9
Open Circuit Voltage-Voc (V)	46.18	46.27	46.35	46.44	46.52	46.61
Short Circuit Current-Isc (A)	14.20	14.27	14.34	14.40	14.48	14.55
Maximum Power Voltage-Vmpp (V)	38.64	38.71	38.78	38.85	38.93	39.00
Maximum Power Current-Imp (A)	13.24	13.32	13.39	13.46	13.54	13.61

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

MECHANICAL DATA

Solar cells	HJT cell
Cell configuration	132 cells (6×11+6×11)
Module dimensions	2384*1303*30/35/40mm
Weight	35~43kg
Superstrate	3.2/4.0 mm, High Transmission, AR Coated Heat Strengthened Glass
Substrate	Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, TÜV&UL Certified
Cables	4.0mm ² (12AWG), Positive(+)/350mm, Negative(-)/230mm (Connector Included) or customized length
Connector	Risen Twinsel PV-SY02 or MC4 EVO2, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Fire Class According to UI790	CLASS C
Max Series Fuse Rating	35A
Limiting Reverse Current	35A

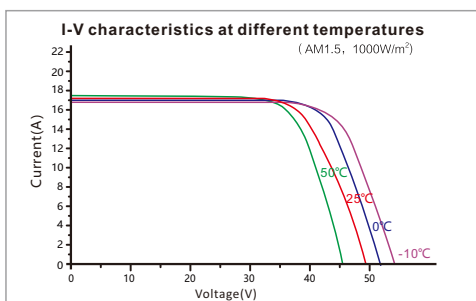
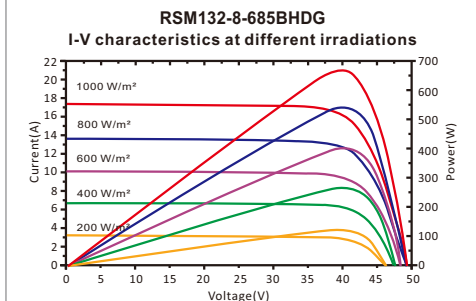
PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	558
Number of modules per pallet	31
Number of pallets per container	18
Packaging box dimensions (LxWxH) in mm	1320×1120×2520
Box gross weight[kg]	1245

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RISEN ENERGY CO., LTD

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

Tel: +86-574-59953239

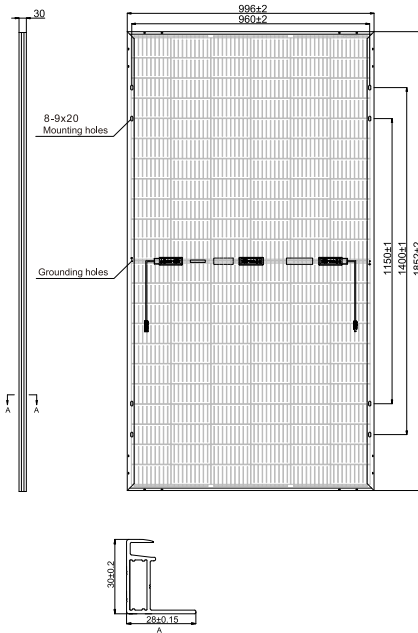
Fax: +86-574-59953599

E-mail: marketing@risenenergy.com

Website: www.risenenergy.com

REM132-BHGD-24BB-EN-H1-1-2023-AU

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM132-6-355HDGB	RSM132-6-360HDGB	RSM132-6-365HDGB	RSM132-6-370HDGB	RSM132-6-375HDGB	RSM132-6-380HDGB	RSM132-6-385HDGB	RSM132-6-390HDGB
Rated Power in Watts-Pmax(Wp)	355	360	365	370	375	380	385	390
Open Circuit Voltage-Voc(V)	48.30	48.55	48.70	48.85	49.10	49.25	49.35	49.45
Short Circuit Current-Isc(A)	9.38	9.42	9.47	9.52	9.57	9.61	9.65	9.70
Maximum Power Voltage-Vmpp(V)	40.40	40.70	41.05	41.35	41.70	42.00	42.30	42.60
Maximum Power Current-Impp(A)	8.80	8.85	8.90	8.96	9.00	9.05	9.11	9.16
Module Efficiency (%) ★	19.2	19.5	19.8	20.1	20.3	20.6	20.9	21.1

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 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% Output power tolerance: ±3%

15 Years Limited Product Warranty; 30Years Limited Power Warranty

ELECTRICAL DATA (NMOT)

Model Number	RSM132-6-355HDGB	RSM132-6-360HDGB	RSM132-6-365HDGB	RSM132-6-370HDGB	RSM132-6-375HDGB	RSM132-6-380HDGB	RSM132-6-385HDGB	RSM132-6-390HDGB
Maximum Power-Pmax (Wp)	271.3	274.8	278.7	282.7	286.3	290.0	294.0	297.7
Open Circuit Voltage-Voc (V)	45.26	45.49	45.63	45.77	46.01	46.15	46.24	46.33
Short Circuit Current-Isc (A)	7.69	7.72	7.77	7.81	7.85	7.88	7.91	7.95
Maximum Power Voltage-Vmpp (V)	37.77	38.05	38.38	38.66	38.99	39.27	39.55	39.83
Maximum Power Current-Impp (A)	7.18	7.22	7.26	7.31	7.34	7.38	7.43	7.47

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

MECHANICAL DATA

Solar cells	HJT cell
Cell configuration	132 cells (6×11+6×11)
Module dimensions	1852×996×30/35/40mm
Weight	21.0~29.0kg approx
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy type 6005-2T6, Black
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG), Positive(+)350mm, Negative(-)350mm (Connector Included)
Connector	Risen Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

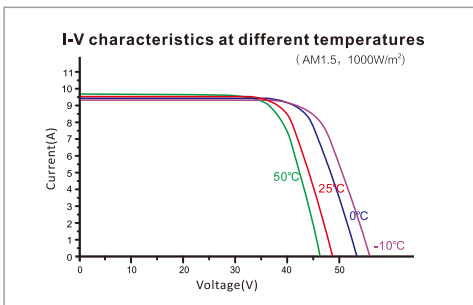
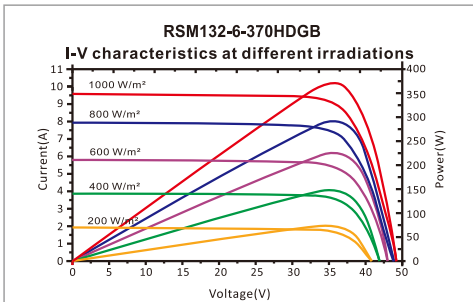
Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS A (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	840	420
Number of modules per pallet	35	35
Number of pallets per container	24	12
Packaging box dimensions (LxWxH) in mm	1920×1130×1135	1920×1130×1135
Box gross weight[kg]	780	780

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

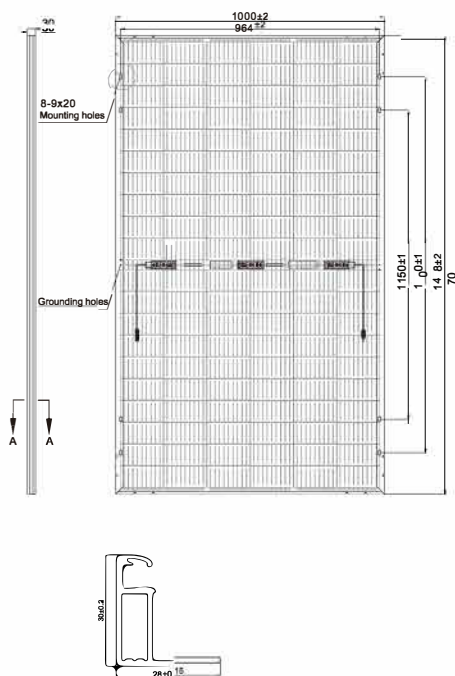
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RISEN ENERGY CO., LTD

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
REM132-HDGB-9BB-EN-H2-1-2021

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM120-6-345BHGD	RSM120-6-350BHGD	RSM120-6-355BHGD	RSM120-6-360BHGD
Rated Power in Watts-Pmax(Wp)	345	350	355	360
Open Circuit Voltage-Voc(V)	45.25	45.55	45.85	46.15
Short Circuit Current-Isc(A)	9.70	9.75	9.80	9.85
Maximum Power Voltage-Vmpp(V)	38.00	38.30	38.60	38.90
Maximum Power Current-Impp(A)	9.09	9.15	9.21	9.27
Module Efficiency (%) *	20.2	20.5	20.8	21.1

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3
 Bifacial factor: 70%±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 DATA (NMOT)

Model Number	RSM120-6-345BHGD	RSM120-6-350BHGD	RSM120-6-355BHGD	RSM120-6-360BHGD
Maximum Power-Pmax (Wp)	258.2	262.0	265.7	269.5
Open Circuit Voltage-Voc (V)	41.63	41.91	42.18	42.46
Short Circuit Current-Isc (A)	7.95	8.00	8.04	8.08
Maximum Power Voltage-Vmpp (V)	34.81	35.08	35.36	35.63
Maximum Power Current-Impp (A)	7.42	7.47	7.52	7.56

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

MECHANICAL DATA

Solar cells	HJT cell, 9BB
Cell configuration	120 cells (6×10+6×10)
Module dimensions	1708×1000×30mm
Weight	22kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG), Positive(+)270mm, Negative(-)270mm
Connector	Risen Twinsel PV-SY02, IP68

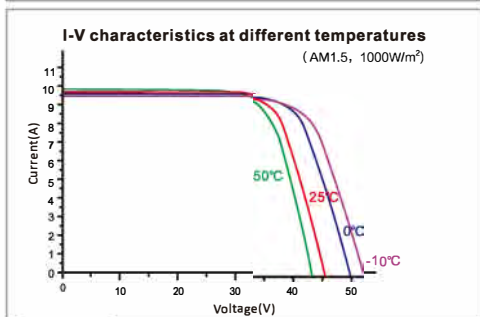
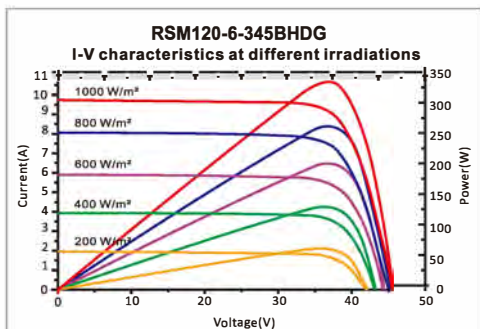
TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS A (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	910	420
Number of modules per pallet	35	35
Number of pallets per container	26	12
Packaging box dimensions (LxWxH) in mm	1780×1130×1135	1780×1130×1135
Box gross weight[kg]	820	820

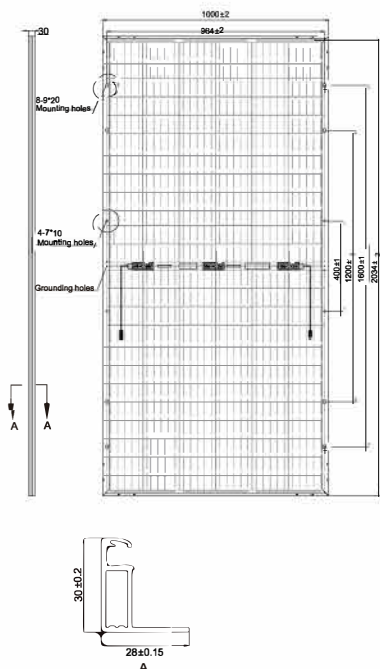
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RISEN ENERGY CO., LTD

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
 REM120-BHDG-9BB-EN-H1-3-2020

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM144-6-415BHGD	RSM144-6-420BHGD	RSM144-6-425BHGD	RSM144-6-430BHGD
Rated Power in Watts-Pmax(Wp)	415	420	425	430
Open Circuit Voltage-Voc(V)	54.40	54.70	55.00	55.30
Short Circuit Current-Isc(A)	9.70	9.75	9.80	9.85
Maximum Power Voltage-Vmpp(V)	45.65	45.95	46.25	46.55
Maximum Power Current-Imp(A)	9.10	9.15	9.20	9.25
Module Efficiency (%) *	20.4	20.6	20.9	21.1

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3
 Bifacial factor: 70%±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 DATA (NMOT)

Model Number	RSM144-6-415BHGD	RSM144-6-420BHGD	RSM144-6-425BHGD	RSM144-6-430BHGD
Maximum Power-Pmax (Wp)	310.5	314.3	318.0	321.9
Open Circuit Voltage-Voc (V)	50.05	50.32	50.60	50.88
Short Circuit Current-Isc (A)	7.95	8.00	8.04	8.08
Maximum Power Voltage-Vmpp (V)	41.82	42.09	42.37	42.64
Maximum Power Current-Imp (A)	7.43	7.47	7.51	7.55

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

MECHANICAL DATA

Solar cells	HJT cell, 9BB
Cell configuration	144 cells (6×12+6×12)
Module dimensions	2034×1000×30mm
Weight	27kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG), Positive(+) 270mm, Negative(-) 270mm
Connector	Risen Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

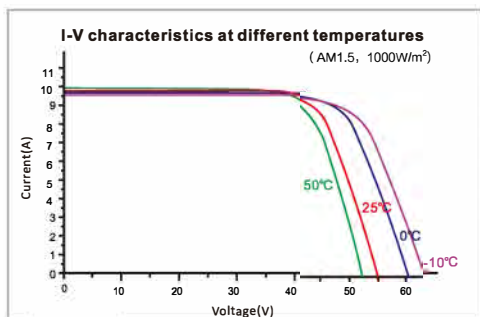
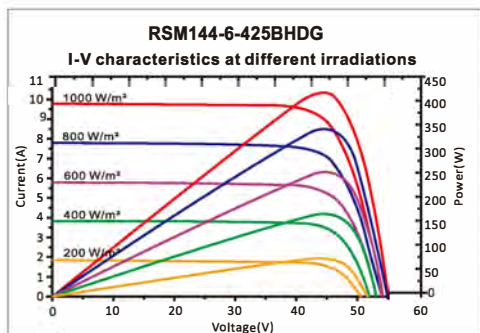
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Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS A (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	770	350
Number of modules per pallet	35	35
Number of pallets per container	22	10
Packaging box dimensions (LxWxH) in mm	2100×1130×1135	2100×1130×1135
Box gross weight[kg]	1000	1000

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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
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