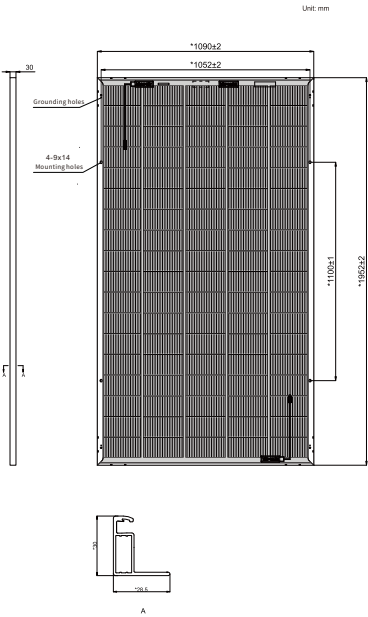
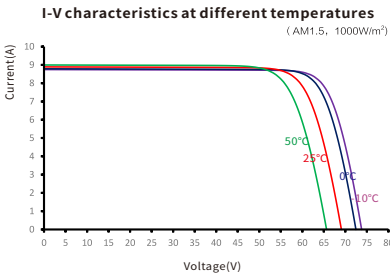
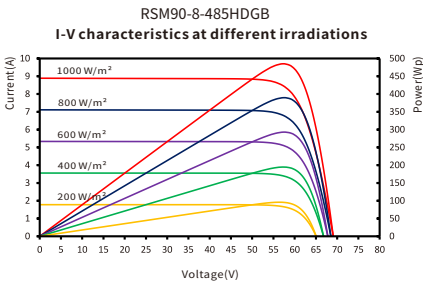


Dimensions of PV Module



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.



PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	888	185
Number of modules per pallet	37	37
Number of pallets per container	24	5
Packaging box dimensions (LxWxH) in mm	1970×1130×1230	
Box gross weight[kg]	933	

ELECTRICAL DATA (STC)

Model Type	RSM90-8-460HDGB	RSM90-8-465HDGB	RSM90-8-470HDGB	RSM90-8-475HDGB	RSM90-8-480HDGB
Rated Power in Watts-Pmax(Wp)	460	465	470	475	480
Open Circuit Voltage-Voc(V)	68.28	68.44	68.60	68.76	68.92
Short Circuit Current-Isc(A)	8.56	8.63	8.69	8.76	8.82
Maximum Power Voltage-Vmpp(V)	56.70	56.86	57.02	57.20	57.36
Maximum Power Current-Impp(A)	8.12	8.18	8.25	8.31	8.37
Module Efficiency (%) *	21.6	21.9	22.1	22.3	22.6
Short Circuit Current-Isc-aBSI(A)	10.87	10.96	11.04	11.13	11.20

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
Power sorting and binning tolerances:0-5W; Power measurement tolerance: ±3%
Short Circuit Current tolerance: ±5%, Open Circuit Voltage tolerance: ±5%
25 Years Limited Product Warranty (Intended for rooftop applications only); 30 Years Limited Power Warranty, only applicable to the front side (STC conditions);
Bifacial factor:90 ±5(%)
The first year degradation:1%, annual degradation:0.3%, power retention rate within 30 years:90.3%
ΦVoc=98%±5%, ΦIsc=90%±10%, ΦPmax=90%±5%;
Module Temperature rating [T98]max of 70°C;
aBSI: front irradiance 1000W/m², rear irradiance 300W/m²

ELECTRICAL DATA (BNPI)

Total Equivalent power -Pmax (Wp) (±3%)	515	521	526	532	538
Open Circuit Voltage-Voc(V) (±5%)	68.28	68.44	68.60	68.76	68.92
Short Circuit Current-Isc(A) (±5%)	9.60	9.67	9.74	9.82	9.89
Maximum Power Voltage-Vmpp(V)	56.70	56.86	57.02	57.20	57.36
Maximum Power Current-Impp(A)	9.09	9.17	9.24	9.31	9.38

BNPI:front irradiance 1000W/m², rear irradiance 135W/m²

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	506	511	517	522	528
Open Circuit Voltage-Voc(V)	68.28	68.44	68.60	68.76	68.92
Short Circuit Current-Isc(A)	9.42	9.49	9.56	9.64	9.70
Maximum Power Voltage-Vmpp(V)	56.70	56.86	57.02	57.20	57.36
Maximum Power Current-Impp(A)	8.92	9.00	9.07	9.13	9.21

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.

MECHANICAL DATA

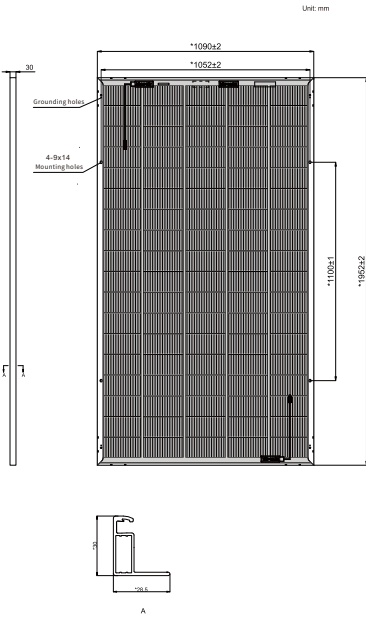
Solar cells	n-type HJT
Cell configuration	90 cells (18×5)
Module dimensions	1952×1090×30mm (76.85×42.91×1.18 in)
Weight	24kg (52.91 lb)
Superstrate	2.0 mm(0.08 in), High Transmission, AR Coated Heat Strengthened Glass
Substrate	1.6 mm(0.06 in), Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Black
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm² , 1200mm(47.24 in)(+), 1200mm(47.24 in)(-), connector Included, or customized length
Connector	Zhejiang Twinsel Electronic Technology Co., Ltd. PV-SY02 Staubli Electrical Connectors AG PV-KST4-EV02/xy, PV-KBT4EV02/xy

TEMPERATURE & MAXIMUM RATINGS

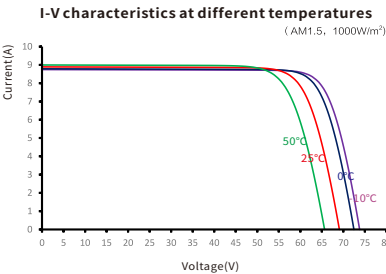
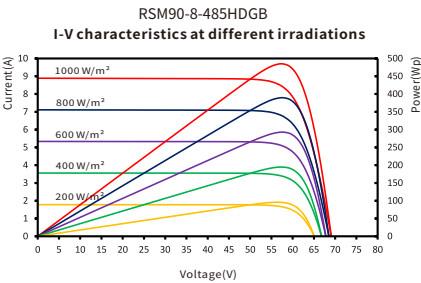
Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Level T _{js} ≤ 70°C	-40°C~+70°C *
Maximum System Voltage	1500VDC
Fire Class According to UL790	CLASS C
Maximum Series Fuse Rating	25A
Limiting Reverse Current	25A

* Short-term up to 85°C; higher operation requires IEC TS 63126 testing

Dimensions of PV Module



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.



PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	888	185
Number of modules per pallet	37	37
Number of pallets per container	24	5
Packaging box dimensions (LxWxH) in mm	1970×1130×1230	
Box gross weight[kg]	933	

ELECTRICAL DATA (STC)

Model Type	RSM90-8-485HDGB	RSM90-8-490HDGB	RSM90-8-495HDGB	RSM90-8-500HDGB
Rated Power in Watts-Pmax(Wp)	485	490	495	500
Open Circuit Voltage-Voc(V)	69.08	69.24	69.40	69.56
Short Circuit Current-Isc(A)	8.89	8.95	9.01	9.07
Maximum Power Voltage-Vmpp(V)	57.54	57.68	57.84	58.02
Maximum Power Current-Impp(A)	8.43	8.50	8.56	8.62
Module Efficiency (%) *	22.8	23.0	23.3	23.5
Short Circuit Current-Isc-aBSI(A)	11.29	11.37	11.44	11.52

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
Power sorting and binning tolerances:0-5W; Power measurement tolerance: ±3%
Short Circuit Current tolerance: ±5%, Open Circuit Voltage tolerance: ±5%
25 Years Limited Product Warranty (Intended for rooftop applications only); 30 Years Limited Power Warranty, only applicable to the front side (STC conditions);
Bifacial factor:90 ±5(%)
The first year degradation:1%, annual degradation:0.3%, power retention rate within 30 years:90.3%
ΦVoc=98%±5%, ΦIsc=90%±10%, ΦPmax=90%±5%;
Module Temperature rating [T98]max of 70°C;
aBSI: front irradiance 1000W/m², rear irradiance 300W/m²

ELECTRICAL DATA (BNPI)

Total Equivalent power -Pmax (Wp) (±3%)	543	549	554	560
Open Circuit Voltage-Voc(V) (±5%)	69.08	69.24	69.40	69.56
Short Circuit Current-Isc(A) (±5%)	9.97	10.03	10.10	10.17
Maximum Power Voltage-Vmpp(V)	57.54	57.68	57.84	58.02
Maximum Power Current-Impp(A)	9.45	9.52	9.59	9.66

BNPI:front irradiance 1000W/m², rear irradiance 135W/m²

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	533	539	544	550
Open Circuit Voltage-Voc(V)	69.08	69.24	69.40	69.56
Short Circuit Current-Isc(A)	9.78	9.85	9.91	9.98
Maximum Power Voltage-Vmpp(V)	57.54	57.68	57.84	58.02
Maximum Power Current-Impp(A)	9.27	9.34	9.41	9.48

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.

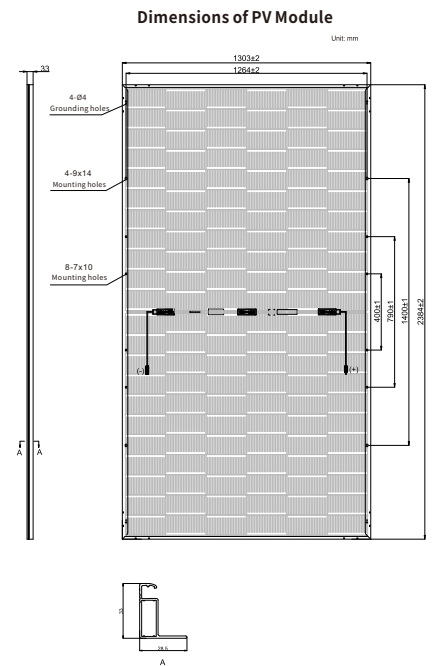
MECHANICAL DATA

Solar cells	n-type HJT
Cell configuration	90 cells (18×5)
Module dimensions	1952×1090×30mm (76.85×42.91×1.18 in)
Weight	24kg (52.91 lb)
Superstrate	2.0 mm(0.08 in), High Transmission, AR Coated Heat Strengthened Glass
Substrate	1.6 mm(0.06 in), Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Black
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm² , 1200mm(47.24 in)(+), 1200mm(47.24 in)(-), connector Included, or customized length
Connector	Zhejiang Twinsel Electronic Technology Co., Ltd. PV-SY02 Staubli Electrical Connectors AG PV-KST4-EV02/xy, PV-KBT4EV02/xy

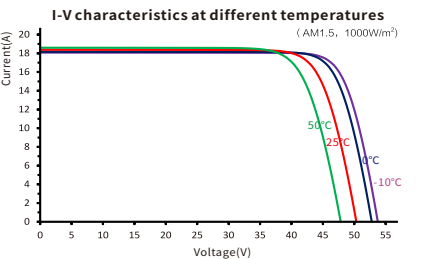
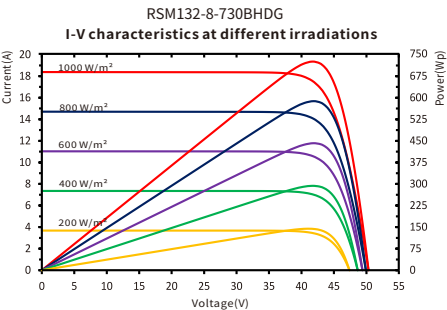
TEMPERATURE & MAXIMUM RATINGS

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
Level T _{js} ≤ 70°C	-40°C~+70°C *
Maximum System Voltage	1500VDC
Fire Class According to UL790	CLASS C
Maximum Series Fuse Rating	25A
Limiting Reverse Current	25A

* Short-term up to 85°C; higher operation requires IEC TS 63126 testing



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.



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	RSM132-8-695BHDG	RSM132-8-700BHDG	RSM132-8-705BHDG	RSM132-8-710BHDG	RSM132-8-715BHDG
Rated Power in Watts-Pmax(Wp)	695	700	705	710	715
Open Circuit Voltage-Voc(V)	49.74	49.83	49.92	50.01	50.09
Short Circuit Current-Isc(A)	17.74	17.82	17.91	18.00	18.10
Maximum Power Voltage-Vmpp(V)	41.71	41.78	41.86	41.93	42.00
Maximum Power Current-Impp(A)	16.68	16.77	16.86	16.95	17.05
Module Efficiency (%) *	22.4	22.6	22.7	22.9	23.0
Short Circuit Current-Isc-aBSI(A)	22.53	22.63	22.75	22.86	22.99

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

Power sorting and binning tolerances:0-5W; Power measurement tolerance:±3%

Short Circuit Current tolerance:±5%, Open Circuit Voltage tolerance: ±5%

15 Years Limited Product Warranty; 30 Years Limited Power Warranty, only applicable to the front side (STC conditions);

Bifacial factor:90±5(%)

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

φVoc=98%±5%, φIsc=90%±10%, φPmax=90%±5%;

Module Temperature rating [T98]max of 70°C;

aBSI: front irradiance 1000W/m², rear irradiance 300W/m²

ELECTRICAL DATA (BNPI)

Total Equivalent power -Pmax (Wp) (±3%)	779	785	790	796	802
Open Circuit Voltage-Voc(V) (±5%)	49.74	49.83	49.92	50.01	50.09
Short Circuit Current-Isc(A) (±5%)	19.89	19.98	20.08	20.18	20.29
Maximum Power Voltage-Vmpp(V)	41.71	41.78	41.86	41.93	42.00
Maximum Power Current-Impp(A)	18.68	18.78	18.88	18.98	19.08

BNPI:front irradiance 1000W/m², rear irradiance 135W/m²

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	765	770	776	781	787
Open Circuit Voltage-Voc(V)	49.74	49.83	49.92	50.01	50.09
Short Circuit Current-Isc(A)	19.51	19.60	19.70	19.80	19.91
Maximum Power Voltage-Vmpp(V)	41.71	41.78	41.86	41.93	42.00
Maximum Power Current-Impp(A)	18.35	18.45	18.55	18.65	18.76

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.

MECHANICAL DATA

Solar cells	n-type HJT
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	High Transmission, AR Coated Heat Strengthened Glass
Substrate	Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² , 350mm(13.78 in)(+), 230mm(9.06 in)(-), connector Included, or customized length
Connector	Zhejiang Twinsel Electronic Technology Co., Ltd. PV-SY02

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~+70°C
Maximum System Voltage	1500VDC
Fire Class According to UL790	CLASS C
Maximum Series Fuse Rating	35A
Limiting Reverse Current	35A

risen

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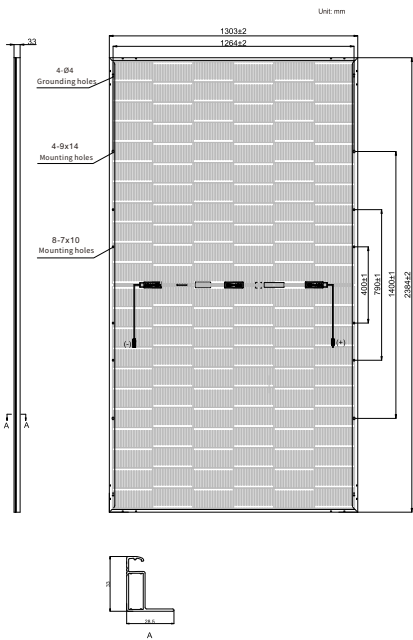
Website: www.risen.com

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

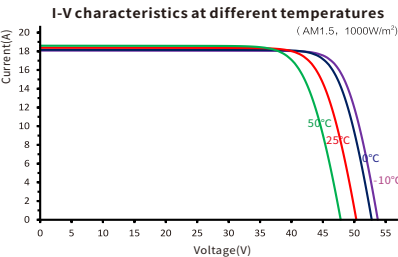
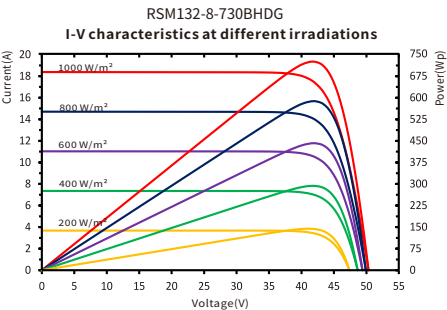
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No special undertaking or warranty for the suitability of special purpose or being installed in extraordinary surroundings is granted unless as otherwise specifically committed by manufacturer in contract document.

Dimensions of PV Module



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.



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	RSM132-8-720BHDG	RSM132-8-725BHDG	RSM132-8-730BHDG	RSM132-8-735BHDG	RSM132-8-740BHDG	RSM132-8-745BHDG
Rated Power in Watts-Pmax(Wp)	720	725	730	735	740	745
Open Circuit Voltage-Voc(V)	50.18	50.26	50.33	50.40	50.47	50.54
Short Circuit Current-Isc(A)	18.19	18.29	18.38	18.47	18.56	18.65
Maximum Power Voltage-Vmpp(V)	42.08	42.14	42.20	42.26	42.32	42.38
Maximum Power Current-Impp(A)	17.13	17.23	17.32	17.41	17.50	17.59
Module Efficiency (%) *	23.2	23.3	23.5	23.7	23.8	24.0
Short Circuit Current-Isc-aBSI(A)	23.10	23.23	23.34	23.46	23.57	23.69

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
Power sorting and binning tolerances:0-5W; Power measurement tolerance:±3%
Short Circuit Current tolerance:±5%, Open Circuit Voltage tolerance: ±5%
15 Years Limited Product Warranty; 30 Years Limited Power Warranty, only applicable to the front side (STC conditions);
Bifacial factor:90±5(%)
The first year degradation:1%, annual degradation:0.3%, power retention rate within 30 years:90.3%
φVoc=98%±5%, φIsc=90%±10%, φPmax=90%±5%;
Module Temperature rating [T98]max of 70°C;
aBSI: front irradiance 1000W/m², rear irradiance 300W/m²

ELECTRICAL DATA (BNPI)

Total Equivalent power -Pmax (Wp) (±3%)	807	813	818	824	830	835
Open Circuit Voltage-Voc(V) (±5%)	50.18	50.26	50.33	50.40	50.47	50.54
Short Circuit Current-Isc(A) (±5%)	20.39	20.50	20.60	20.70	20.81	20.91
Maximum Power Voltage-Vmpp(V)	42.08	42.14	42.20	42.26	42.32	42.38
Maximum Power Current-Impp(A)	19.18	19.29	19.39	19.50	19.60	19.71

BNPI:front irradiance 1000W/m², rear irradiance 135W/m²

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	792	798	803	809	814	820
Open Circuit Voltage-Voc(V)	50.18	50.26	50.33	50.40	50.47	50.54
Short Circuit Current-Isc(A)	20.01	20.12	20.22	20.32	20.42	20.52
Maximum Power Voltage-Vmpp(V)	42.08	42.14	42.20	42.26	42.32	42.38
Maximum Power Current-Impp(A)	18.84	18.95	19.05	19.15	19.25	19.35

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.

MECHANICAL DATA

Solar cells	n-type HJT
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	High Transmission, AR Coated Heat Strengthened Glass
Substrate	Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm² , 350mm(13.78 in)(+), 230mm(9.06 in)(-), connector Included, or customized length
Connector	Zhejiang Twinsel Electronic Technology Co., Ltd. PV-SY02

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~+70°C
Maximum System Voltage	1500VDC
Fire Class According to UL790	CLASS C
Maximum Series Fuse Rating	35A
Limiting Reverse Current	35A



ELECTRICAL DATA (STC)

Model Type	RSM110-8-580BHDG
Rated Power in Watts-Pmax(Wp)	580
Open Circuit Voltage-Voc(V)	41.95
Short Circuit Current-Isc(A)	17.50
Maximum Power Voltage-Vmpp(V)	34.86
Maximum Power Current-Impp(A)	16.64
Module Efficiency (%) ★	22.2
Short Circuit Current-Isc-aBSI(A)	21.96

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
Power sorting and binning tolerances: 0-5W; Power 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%
φVoc=95%±5%, φIsc=85%±10%, φPmax=85%±10%;

ELECTRICAL DATA (BNPI)

Total Equivalent power -Pmax (Wp)	638
Open Circuit Voltage-Voc(V)	41.95
Short Circuit Current-Isc(A)	19.25
Maximum Power Voltage-Vmpp(V)	34.86
Maximum Power Current-Impp(A)	18.30

The electrical data of the 10% rear side power gain is consistent with the BNPI data.
BNPI: front side irradiance 1 000 W/m², back side irradiance 135 W/m², 25 °C, AM 1.5 according to IEC TS 60904.

ELECTRICAL DATA (NMOT)

Model Type	RSM110-8-580BHDG
Maximum Power-Pmax (Wp)	442.6
Open Circuit Voltage-Voc (V)	39.31
Short Circuit Current-Isc (A)	14.35
Maximum Power Voltage-Vmpp (V)	32.59
Maximum Power Current-Impp (A)	13.58

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

MECHANICAL DATA

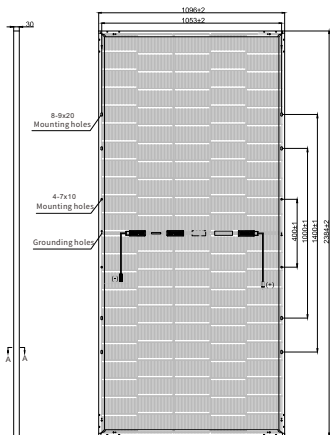
Solar cells	n-type HJT
Cell configuration	110 cells (5×11+5×11)
Module dimensions	2384×1096×30mm
Weight	34kg
Superstrate	High Transmission, AR Coated Heat Strengthened Glass
Substrate	Heat Strengthened Glass
Frame	High strength alloy steel
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm², Positive(+)350mm, Negative(-)230mm (Connector Included), or customized length
Connector	Zhejiang Twinsele Electronic Technology Co.,Ltd. PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

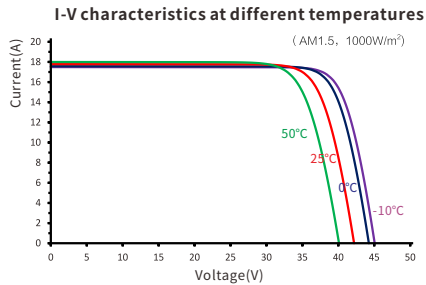
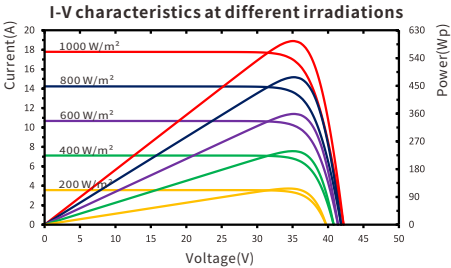
Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Fire Class According to UL790	CLASS C
Max Series Fuse Rating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

Dimensions of PV Module

Unit: mm



RSM110-8-580BHDG



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



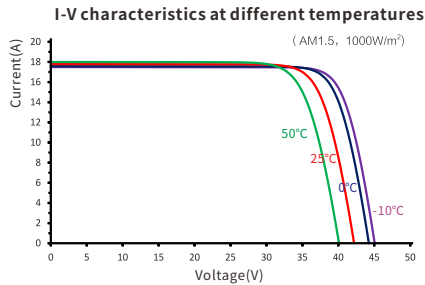
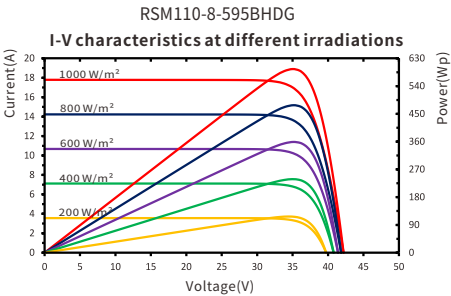
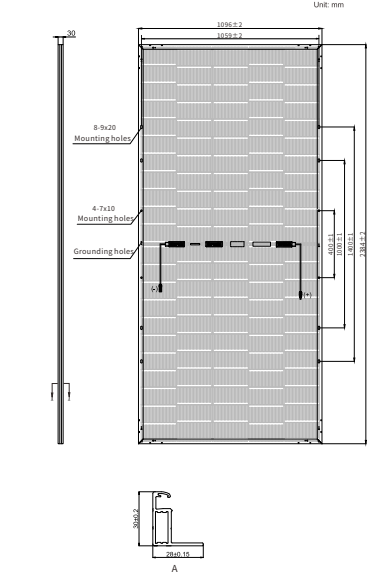
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Dimensions of PV Module



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]	1200

ELECTRICAL DATA (STC)

Model Type	RSM110-8-585BHDG	RSM110-8-590BHDG	RSM110-8-595BHDG	RSM110-8-600BHDG
Rated Power in Watts-Pmax(Wp)	585	590	595	600
Open Circuit Voltage-Voc(V)	42.03	42.11	42.19	42.27
Short Circuit Current-Isc(A)	17.60	17.69	17.79	17.88
Maximum Power Voltage-Vmpp(V)	34.95	35.04	35.12	35.20
Maximum Power Current-Impp(A)	16.74	16.84	16.95	17.05
Module Efficiency (%) ★	22.4	22.6	22.8	23.0
Short Circuit Current-Isc-aBSI(A)	22.09	22.20	22.33	22.44

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: 0-5W 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%
qVoc=95%±5%, qIsc=85%±10%, qPmax=85%±10%;

Electrical characteristics with 13.5% rear side power gain

Total Equivalent power -Pmax (Wp)	643	649	654	660
Open Circuit Voltage-Voc(V)	42.03	42.11	42.19	42.27
Short Circuit Current-Isc(A)	19.36	19.46	19.57	19.67
Maximum Power Voltage-Vmpp(V)	34.95	35.04	35.12	35.20
Maximum Power Current-Impp(A)	18.41	18.52	18.65	18.76

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	RSM110-8-585BHDG	RSM110-8-590BHDG	RSM110-8-595BHDG	RSM110-8-600BHDG
Maximum Power-Pmax (Wp)	446.4	450.2	454.2	457.9
Open Circuit Voltage-Voc (V)	39.38	39.46	39.53	39.61
Short Circuit Current-Isc (A)	14.43	14.51	14.59	14.66
Maximum Power Voltage-Vmpp (V)	32.68	32.76	32.84	32.91
Maximum Power Current-Impp (A)	13.66	13.74	13.83	13.91

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	2384×1096×30/33/35/40mm
Weight	31.0-38.0kg
Superstrate	High Transmission, AR Coated Heat Strengthened Glass
Substrate	Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm², Positive(+)350mm, Negative(-)230mm (Connector Included), or customized length
Connector	Zhejiang Twinsele 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



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