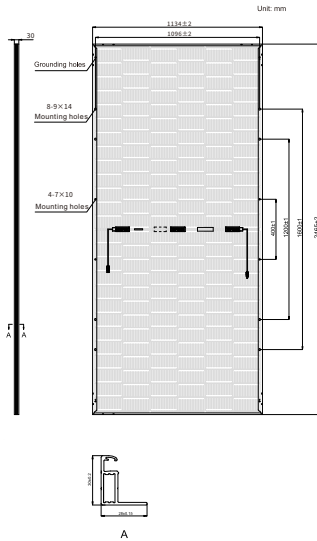
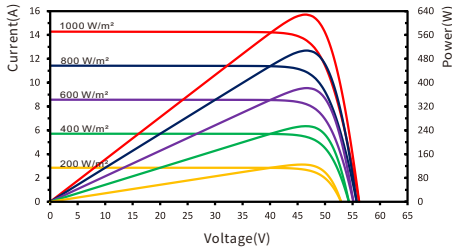


Dimensions of PV Module

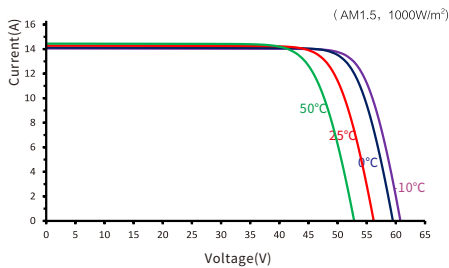


RSM156-9-630BNDG

I-V characteristics at different irradiances



I-V characteristics at different temperatures



PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	576	144
Number of modules per pallet	36	36
Number of pallets per container	16	4
Packaging box dimensions (LxWxH) in mm	2485×1110×1260	
Box gross weight [kg]	1270	

ELECTRICAL DATA (STC)

Model Type	RSM156-9-625BNDG	RSM156-9-630BNDG
Rated Power in Watts-Pmax(Wp)	625	630
Open Circuit Voltage-Voc(V)	56.01	56.20
Short Circuit Current-Isc(A)	14.22	14.28
Maximum Power Voltage-Vmpp(V)	46.82	46.98
Maximum Power Current-Impp(A)	13.36	13.42
Module Efficiency (%) *	22.4	22.5

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: 80±10(%)
 The first year degradation:1%,annual degradation:0.4%,power retention rate within 30 years:87.4%

ELECTRICAL DATA (NMOT)

Model Type	RSM156-9-625BNDG	RSM156-9-630BNDG
Maximum Power-Pmax (Wp)	473.9	477.6
Open Circuit Voltage-Voc (V)	52.09	52.27
Short Circuit Current-Isc (A)	11.66	11.71
Maximum Power Voltage-Vmpp (V)	43.45	43.60
Maximum Power Current-Impp (A)	10.91	10.95

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

MECHANICAL DATA

Solar cells	n-type TOPCon
Cell configuration	156 cells (6×13+6×13)
Module dimensions	2465×1134×30/35mm
Weight	33.5~34.5kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm ² , Positive(+)350mm, Negative(-)230mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

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
Fire Class According to UI790	CLASS C
Max Series Fuse Rating	30A
Limiting Reverse Current	30A



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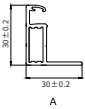
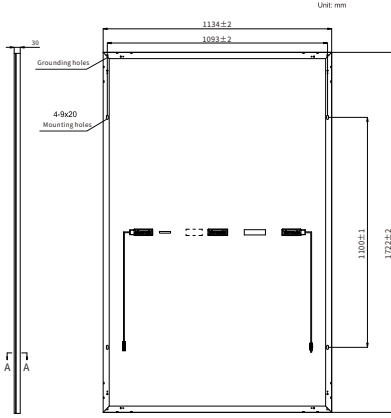
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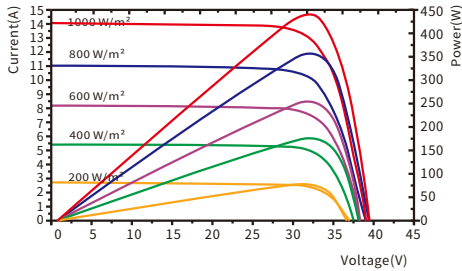
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Dimensions of PV Module



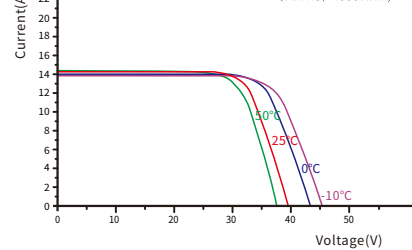
RSM108-9-425BNDG

I-V characteristics at different irradiancies



I-V characteristics at different temperatures

(AM1.5, 1000W/m²)



PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	936	216
Number of modules per pallet	36	36
Number of pallets per container	26	6
Packaging box dimensions (LxWxH) in mm	1745×1110×1260	
Box gross weight[kg]	780	

ELECTRICAL DATA (STC)

Model Type	RSM108-9-440BNDG
Rated Power in Watts-Pmax(Wp)	440
Open Circuit Voltage-Voc(V)	39.65
Short Circuit Current-Isc(A)	14.09
Maximum Power Voltage-Vmpp(V)	33.38
Maximum Power Current-Impp(A)	13.19
Module Efficiency (%) ★	22.5

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: 80±10(%)
 The first year degradation:1%, annual degradation:0.4%, power retention rate within 30 years:87.4%

ELECTRICAL DATA (NMOT)

Model Type	RSM108-9-440BNDG
Maximum Power-Pmax (Wp)	333.4
Open Circuit Voltage-Voc (V)	36.84
Short Circuit Current-Isc (A)	11.55
Maximum Power Voltage-Vmpp (V)	30.98
Maximum Power Current-Impp (A)	10.76

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

MECHANICAL DATA

Solar cells	n-type TOPCon
Cell configuration	108 cells (6×9+6×9)
Module dimensions	1722×1134×30/35mm
Weight	22.5~28.5kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm², Positive(+)1200mm, Negative(-)1200mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

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
Fire Class According to UL790	CLASS C
Max Series Fuse Rating	30A
Limiting Reverse Current	30A



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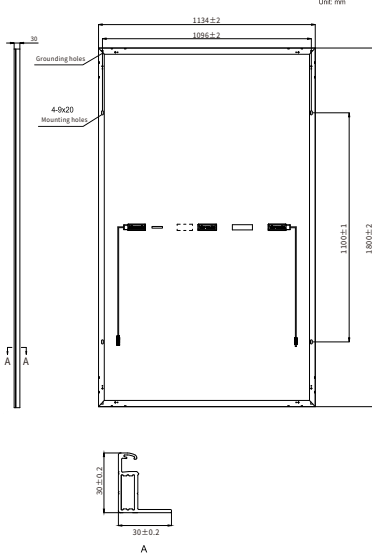
THE POWER OF RISING VALUE

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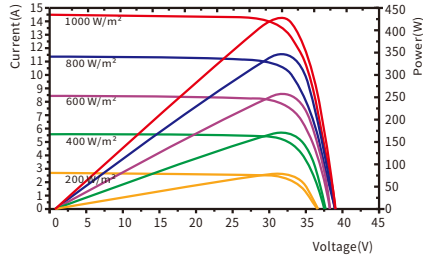
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Dimensions of PV Module

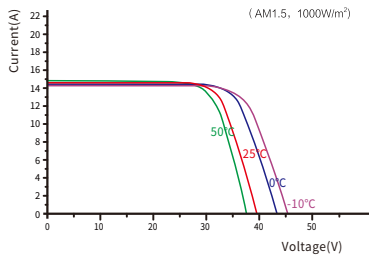


RSM108-10-440BNDG

I-V characteristics at different irradiances



I-V characteristics at different temperatures



PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	936	216
Number of modules per pallet	36	36
Number of pallets per container	26	6
Packaging box dimensions (LxWxH) in mm	1816×1140×1260	
Box gross weight[kg]	945	

ELECTRICAL DATA (STC)

Model Type	RSM108-10-440BNDG	RSM108-10-445BNDG	RSM108-10-450BNDG
Rated Power in Watts-Pmax(Wp)	440	445	450
Open Circuit Voltage-Voc(V)	38.61	38.83	39.05
Short Circuit Current-Isc(A)	14.55	14.61	14.66
Maximum Power Voltage-Vmpp(V)	32.08	32.27	32.44
Maximum Power Current-Impp(A)	13.74	13.82	13.88
Module Efficiency (%) *	21.6	21.8	22.1

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: 80±10(%)
 The first year degradation:1%,annual degradation:0.4%,power retention rate within 30 years:87.4%

ELECTRICAL DATA (NMOT)

Model Type	RSM108-10-440BNDG	RSM108-10-445BNDG	RSM108-10-450BNDG
Maximum Power-Pmax (Wp)	333.9	337.7	341.0
Open Circuit Voltage-Voc (V)	35.91	36.11	36.32
Short Circuit Current-Isc (A)	11.93	11.98	12.02
Maximum Power Voltage-Vmpp (V)	29.77	29.94	30.10
Maximum Power Current-Impp (A)	11.21	11.28	11.33

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

MECHANICAL DATA

Solar cells	n-type TOPCon
Cell configuration	108 cells (6×9+6×9)
Module dimensions	1800×1134×30/35mm
Weight	22.5~28.5kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm ² , Positive(+)1200mm, Negative(-)1200mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

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
Fire Class According to UL790	CLASS C
Max Series Fuse Rating	30A
Limiting Reverse Current	30A



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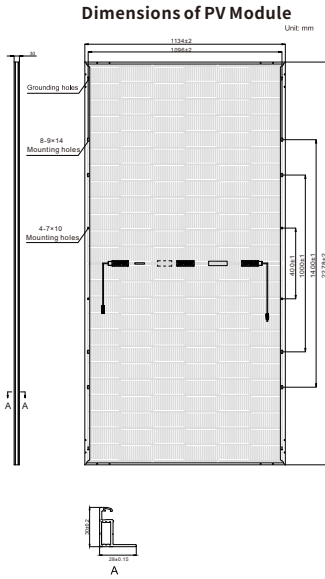
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ELECTRICAL DATA (STC)

Model Type	RSM144-9-565BNDG	RSM144-9-570BNDG	RSM144-9-575BNDG	RSM144-9-580BNDG
Rated Power in Watts-Pmax(Wp)	565	570	575	580
Open Circuit Voltage-Voc(V)	51.57	51.77	51.97	52.17
Short Circuit Current-Isc(A)	13.95	14.01	14.06	14.12
Maximum Power Voltage-Vmpp(V)	43.20	43.40	43.60	43.80
Maximum Power Current-Impp(A)	13.10	13.15	13.21	13.26
Module Efficiency (%) *	21.9	22.1	22.3	22.5

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: 80±10(%)
 The first year degradation:1%, annual degradation:0.4%, power retention rate within 30 years:87.4%

ELECTRICAL DATA (NMOT)

Model Type	RSM144-9-565BNDG	RSM144-9-570BNDG	RSM144-9-575BNDG	RSM144-9-580BNDG
Maximum Power-Pmax (Wp)	428.6	432.3	436.1	439.8
Open Circuit Voltage-Voc (V)	47.96	48.15	48.33	48.52
Short Circuit Current-Isc (A)	11.44	11.48	11.53	11.58
Maximum Power Voltage-Vmpp (V)	40.09	40.28	40.46	40.65
Maximum Power Current-Impp (A)	10.69	10.73	10.78	10.82

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

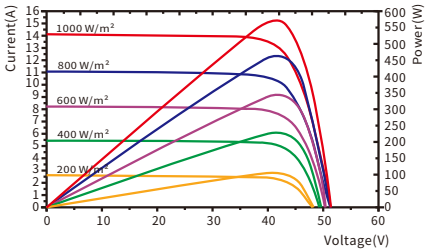
MECHANICAL DATA

Solar cells	<i>n</i> -type TOPCon
Cell configuration	144 cells (6 × 12 × 6 × 12)
Module dimensions	2278 × 1134 × 30/35mm
Weight	30.0~38.0kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² , Positive(+)+350mm, Negative(-)-230mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

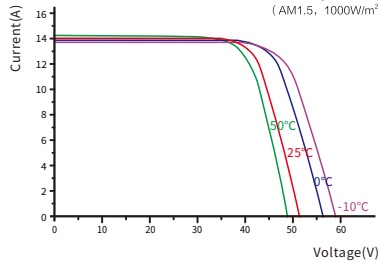
TEMPERATURE & MAXIMUM RATINGS

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
Fire Class According to UL790	CLASS C
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

**RSM144-9-575BNDG
I-V characteristics at different irradiances**



I-V characteristics at different temperatures
(AM1.5, 1000W/m²)



PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	720	180
Number of modules per pallet	36	36
Number of pallets per container	20	5
Packaging box dimensions (LxWxH) in mm	2290 × 1110 × 1260	
Box gross weight[kg]	1170	



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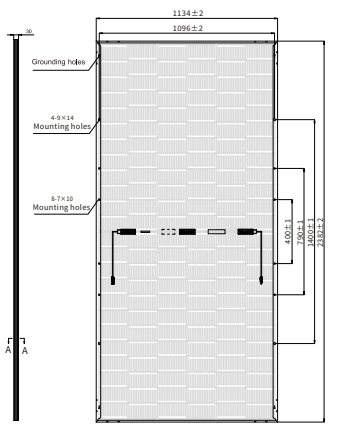
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Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Type	RSM144-10-605BNDG	RSM144-10-610BNDG
Rated Power in Watts-Pmax(Wp)	605	610
Open Circuit Voltage-Voc(V)	52.24	52.43
Short Circuit Current-Isc(A)	14.71	14.77
Maximum Power Voltage-Vmpp(V)	43.40	43.56
Maximum Power Current-Impp(A)	13.95	14.01
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%
 15 Years Limited Product Warranty; 30 Years Limited Power Warranty Bifacial factor: 80±10(%)
 The first year degradation:1%, annual degradation:0.4%, power retention rate within 30 years:87.4%

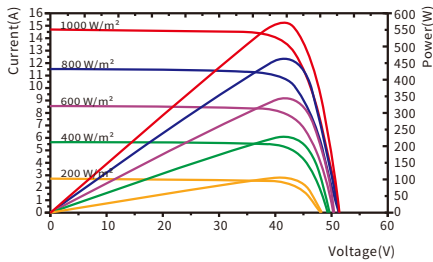
ELECTRICAL DATA (NMOT)

Model Type	RSM144-10-605BNDG	RSM144-10-610BNDG
Maximum Power-Pmax (Wp)	458.5	462.1
Open Circuit Voltage-Voc (V)	48.58	48.76
Short Circuit Current-Isc (A)	12.06	12.11
Maximum Power Voltage-Vmpp (V)	40.28	40.42
Maximum Power Current-Impp (A)	11.38	11.43

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

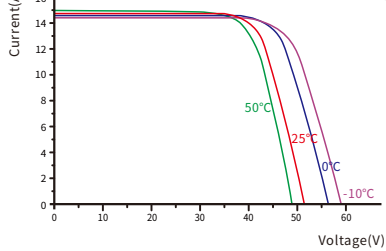
RSM144-10-605BNDG

I-V characteristics at different irradiances



I-V characteristics at different temperatures

(AM1.5, 1000W/m²)



MECHANICAL DATA

Solar cells	n-type TOPCon
Cell configuration	144 cells (6×12+6×12)
Module dimensions	2382/2384×1134×30/35mm
Weight	30.0~38.0kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm ² , Positive(+)350mm, Negative(-)230mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

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
Fire Class According to UI790	CLASS C
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	720	144
Number of modules per pallet	36	36
Number of pallets per container	20	4
Packaging box dimensions (LxWxH) in mm	2395×1110×1260	
Box gross weight [kg]	1220	



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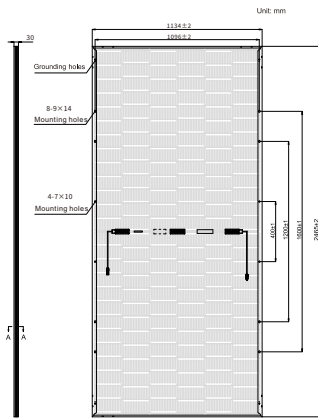
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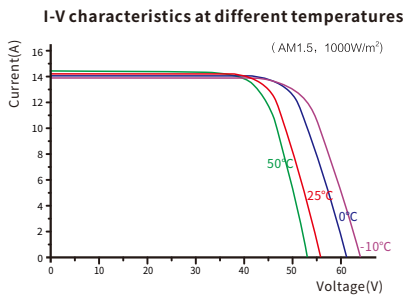
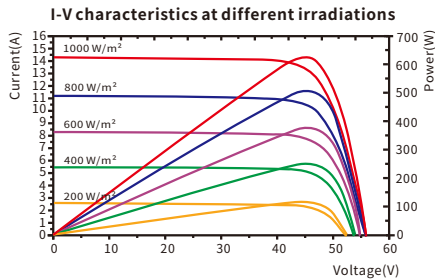
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Dimensions of PV Module



RSM156-9-615BNDG



PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	576	144
Number of modules per pallet	36	36
Number of pallets per container	16	4
Packaging box dimensions (LxWxH) in mm	2485 × 1110 × 1260	
Box gross weight[kg]	1270	

ELECTRICAL DATA (STC)

Model Type	RSM156-9-610BNDG	RSM156-9-615BNDG	RSM156-9-620BNDG
Rated Power in Watts-Pmax(Wp)	610	615	620
Open Circuit Voltage-Voc(V)	55.43	55.63	55.82
Short Circuit Current-Isc(A)	14.06	14.11	14.16
Maximum Power Voltage-Vmpp(V)	46.34	46.51	46.67
Maximum Power Current-Imp(A)	13.18	13.24	13.30
Module Efficiency (%) *	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%

15 Years Limited Product Warranty; 30 Years Limited Power Warranty Bifacial factor: 80±10(%)

The first year degradation: 1%, annual degradation: 0.4%, power retention rate within 30 years: 87.4%

ELECTRICAL DATA (NMOT)

Model Type	RSM156-9-610BNDG	RSM156-9-615BNDG	RSM156-9-620BNDG
Maximum Power-Pmax (Wp)	462.5	466.2	469.9
Open Circuit Voltage-Voc (V)	51.55	51.74	51.91
Short Circuit Current-Isc (A)	11.53	11.57	11.61
Maximum Power Voltage-Vmpp (V)	43.00	43.16	43.31
Maximum Power Current-Imp (A)	10.76	10.80	10.85

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

MECHANICAL DATA

Solar cells	n-type TOPCon
Cell configuration	156 cells (6 × 13 + 6 × 13)
Module dimensions	2465 × 1134 × 30/35mm
Weight	33.5~34.5kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm ² , Positive(+)/350mm, Negative(-)/230mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

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
Fire Class According to UI790	CLASS C
Max Series Fuse Rating	30A
Limiting Reverse Current	30A



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

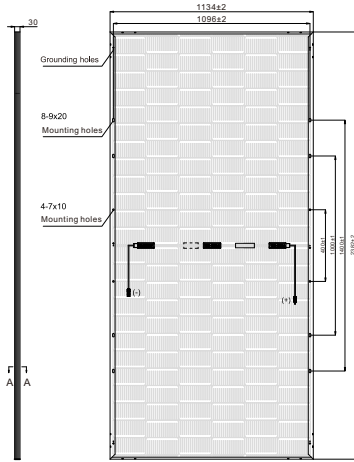
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THE POWER OF RISING VALUE

Version: REM156-BNDG-16BB-EN-H2-1-2023-AU

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM144-10-585BNDG	RSM144-10-600BNDG
Rated Power in Watts-Pmax(Wp)	595	600
Open Circuit Voltage-Voc(V)	51.86	52.05
Short Circuit Current-Isc(A)	14.61	14.66
Maximum Power Voltage-Vmpp(V)	43.10	43.25
Maximum Power Current-Impp(A)	13.83	13.89
Module Efficiency (%) *	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%
 15 Years Limited Product Warranty; 30 Years Limited Power Warranty Bifacial factor: 80±10(%)
 The first year degradation:1%,annual degradation:0.4%,power retention rate within 30 years:87.4%

Electrical characteristics with 10% rear side power gain

	655	660
Total Equivalent power -Pmax (Wp)	655	660
Open Circuit Voltage-Voc(V)	51.86	52.05
Short Circuit Current-Isc(A)	16.07	16.13
Maximum Power Voltage-Vmpp(V)	43.10	43.25
Maximum Power Current-Impp(A)	15.21	15.28

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	RSM144-10-585BNDG	RSM144-10-600BNDG
Maximum Power-Pmax (Wp)	451.3	454.9
Open Circuit Voltage-Voc (V)	48.23	48.41
Short Circuit Current-Isc (A)	11.98	12.02
Maximum Power Voltage-Vmpp (V)	39.99	40.13
Maximum Power Current-Impp (A)	11.28	11.33

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

MECHANICAL DATA

Solar cells	n-type
Cell configuration	144 cells (6×12+6×12)
Module dimensions	2384/2382×1134×30/35mm
Weight	30.0~38.0kg
Substrate	Heat Strengthened Glass
Superstrate	High Transmission, AR Coated Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² , Positive(+)350mm, Negative(-)230mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

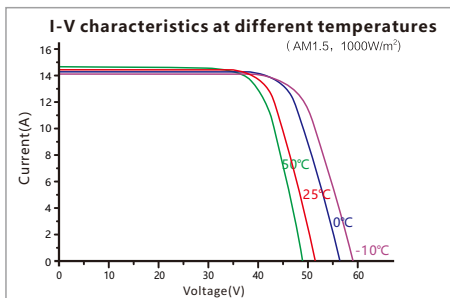
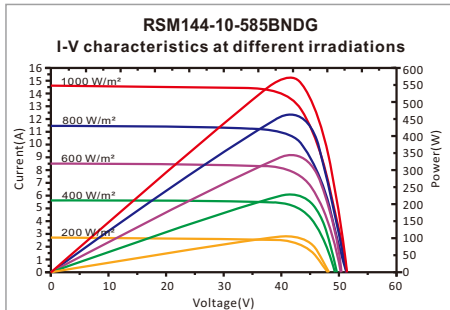
TEMPERATURE & MAXIMUM RATINGS

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	-0.30%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Fire Class According to UI790	CLASS C
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	720	144
Number of modules per pallet	36	36
Number of pallets per container	20	4
Packaging box dimensions (LxWxH) in mm	2395×1110×1260	2395×1110×1260
Box gross weight[kg]	1220	1220

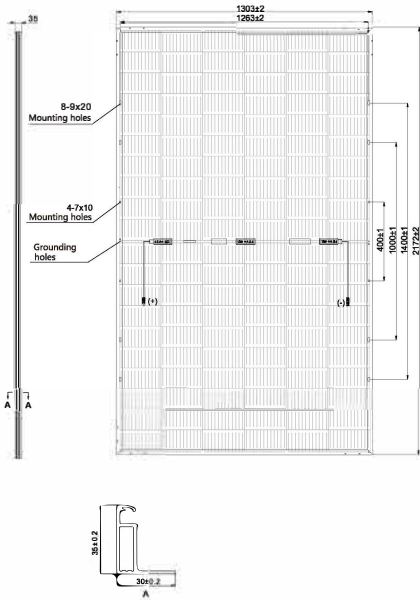
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Dimensions of PV Module Unit: mm



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)	605	610	615	620	625	630
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/m², 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/m², 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
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Frame	Anodized Aluminium Alloy type 6005-2T6, Silver Color
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

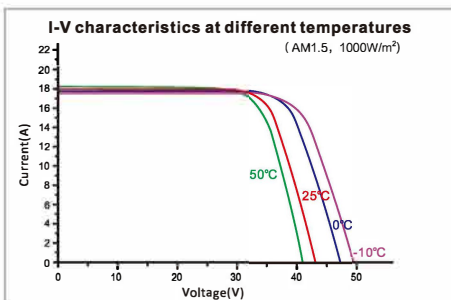
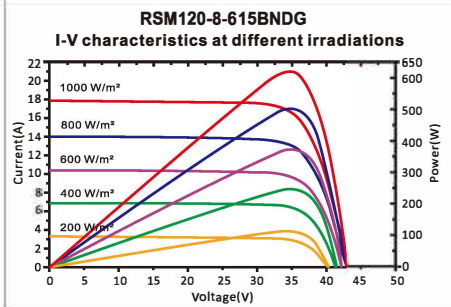
TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	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

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