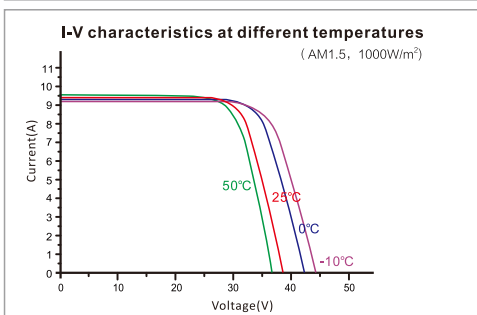
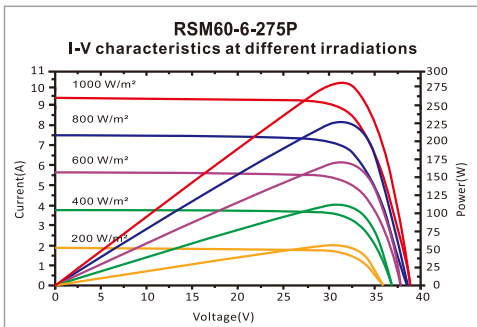
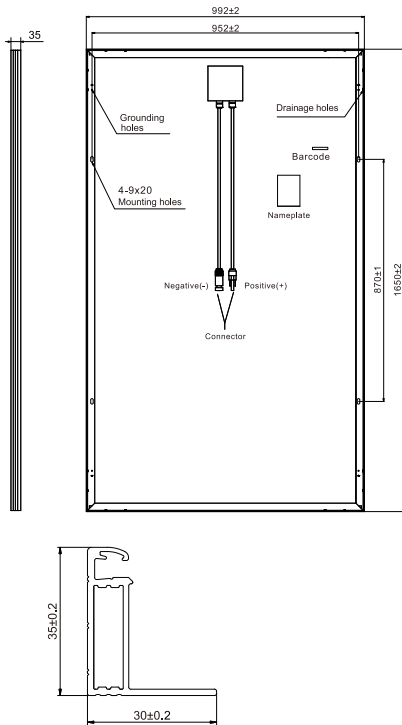


Dimensions of PV Module



ELECTRICAL DATA (STC)

Model Number	RSM60-6-275P
Rated Power in Watts-Pmax(Wp)	275
Open Circuit Voltage-Voc(V)	38.10
Short Circuit Current-Isc(A)	9.30
Maximum Power Voltage-Vmpp(V)	31.25
Maximum Power Current-Impp(A)	8.80
Module Efficiency (%) *	16.8

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; 25 Years Limited Power Warranty

ELECTRICAL DATA (NMOT)

Model Number	RSM60-6-275P
Maximum Power-Pmax (Wp)	205.1
Open Circuit Voltage-Voc (V)	35.00
Short Circuit Current-Isc (A)	7.63
Maximum Power Voltage-Vmpp (V)	28.60
Maximum Power Current-Impp (A)	7.17

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

MECHANICAL DATA

Solar cells	Polycrystalline, 5BB
Cell configuration	60 cells (6×10)
Module dimensions	1650/1640/1657×992/996×25/30/35/40mm
Weight	12-22kg (approx)
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG), 900mm length
Connector	Risen Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.055%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS C (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

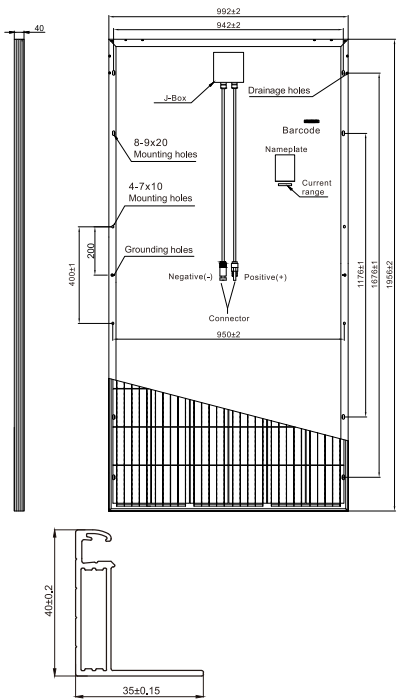
PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	840	360
Number of modules per pallet	30	30
Number of pallets per container	28	12
Packaging box dimensions (LxWxH) in mm	1680×1105×1130	1680×1105×1130
Box gross weight[kg]	500	500

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

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Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM72-6-325P	RSM72-6-330P	RSM72-6-335P
Rated Power in Watts-Pmax(Wp)	325	330	335
Open Circuit Voltage-Voc(V)	45.50	45.70	45.90
Short Circuit Current-Isc(A)	9.20	9.30	9.40
Maximum Power Voltage-Vmpp(V)	37.40	37.55	37.65
Maximum Power Current-Impp(A)	8.70	8.80	8.90
Module Efficiency (%) *	16.7	17.0	17.3

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; 25 Years Limited Power Warranty

ELECTRICAL DATA (NMOT)

Model Number	RSM72-6-325P	RSM72-6-330P	RSM72-6-335P
Maximum Power-Pmax (Wp)	242.6	246.4	249.9
Open Circuit Voltage-Voc (V)	41.90	42.00	42.20
Short Circuit Current-Isc (A)	7.54	7.63	7.71
Maximum Power Voltage-Vmpp (V)	34.20	34.40	34.50
Maximum Power Current-Impp (A)	7.09	7.17	7.25

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

MECHANICAL DATA

Solar cells	Polycrystalline, 5BB
Cell configuration	72 cells (6×12)
Module dimensions	1956/1979×992/996×25/30/35/40mm
Weight	15.5-25.5kg (approx)
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG), 1200mm length
Connector	Risen Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

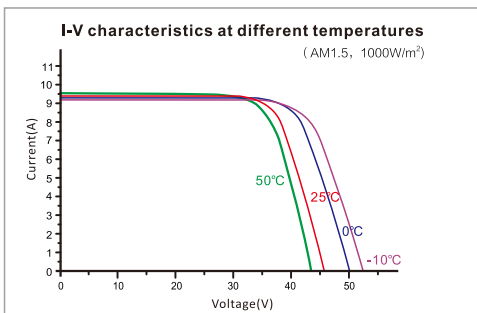
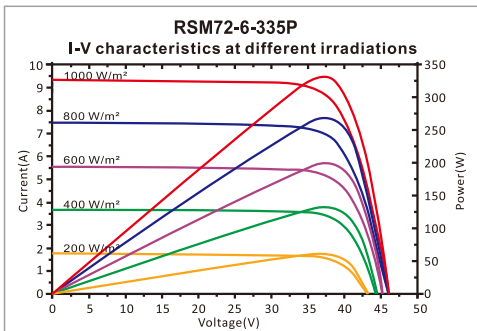
Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.055%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS C (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	648	270
Number of modules per pallet	27	27
Number of pallets per container	24	10
Packaging box dimensions (LxWxH) in mm	1980×1130×1130	1980×1130×1130
Box gross weight[kg]	640	640

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

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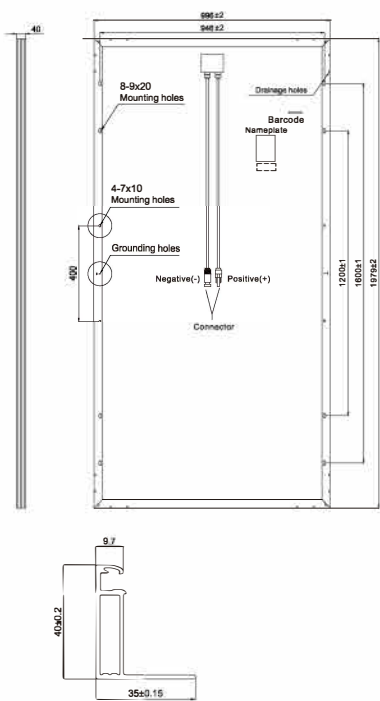
Fax: +86-574-59953599

E-mail: marketing@risenenergy.com

Website: www.risenenergy.com

REM72-P-5BB-EN-H1-1-2020

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM72-6-370P	RSM72-6-375P	RSM72-6-380P	RSM72-6-385P	RSM72-6-390P	RSM72-6-395P
Rated Power in Watts-Pmax(Wp)	370	375	380	385	390	395
Open Circuit Voltage-Voc(V)	47.80	48.20	48.60	49.00	49.40	49.80
Short Circuit Current-Isc(A)	9.95	10.00	10.05	10.10	10.15	10.20
Maximum Power Voltage-Vmpp(V)	39.67	40.01	40.34	40.67	41.00	41.33
Maximum Power Current-Impp(A)	9.34	9.39	9.43	9.48	9.52	9.57
Module Efficiency (%)	18.8	19.0	19.3	19.5	19.8	20.0

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
 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; 25 Years Limited Power Warranty

ELECTRICAL DATA (NMOT)

Model Number	RSM72-6-370P	RSM72-6-375P	RSM72-6-380P	RSM72-6-385P	RSM72-6-390P	RSM72-6-395P
Maximum Power-Pmax (Wp)	276.8	280.5	284.2	288.0	291.7	295.5
Open Circuit Voltage-Voc (V)	43.98	44.34	44.71	45.08	45.45	45.82
Short Circuit Current-Isc (A)	8.06	8.10	8.14	8.18	8.22	8.26
Maximum Power Voltage-Vmpp (V)	36.06	36.36	36.66	36.97	37.27	37.57
Maximum Power Current-Impp (A)	7.67	7.71	7.75	7.79	7.83	7.86

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

MECHANICAL DATA

Solar cells	Cast-Mono, 5BB
Cell configuration	72 cells (6×12)
Module dimensions	1979×996×40mm
Weight	22.5kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG), 1200mm length
Connector	Risen Twinsel PV-SY02, IP68

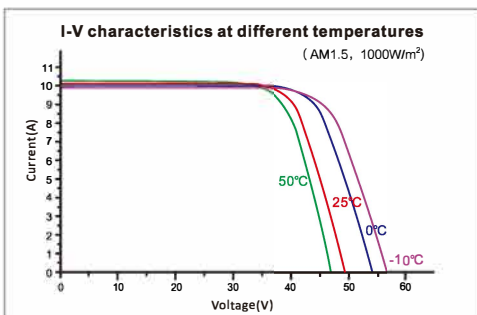
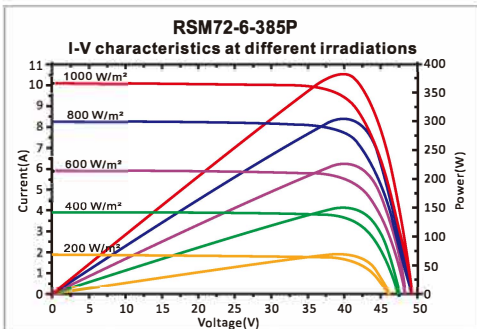
TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.38%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS C (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

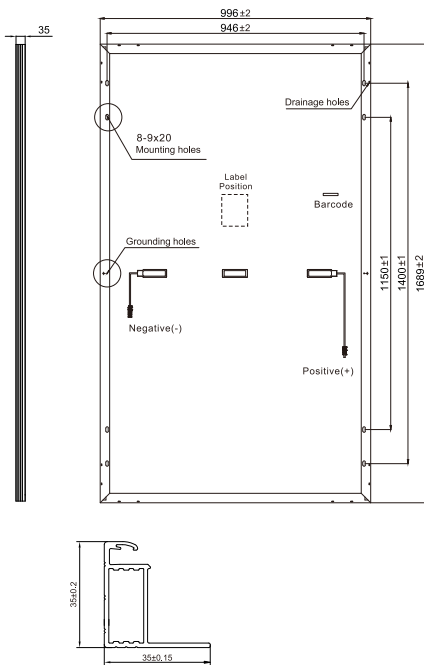
PACKAGING CONFIGURATION

	40ft	20ft
Number of modules per container	594	270
Number of modules per pallet	27	27
Number of pallets per container	22	10
Packaging box dimensions (LxWxH) in mm	2005×1130×1130	2005×1130×1130
Box gross weight[kg]	655	655

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Dimensions of PV Module



ELECTRICAL DATA (STC)

Model Number	RSM120-6-310P	RSM120-6-315P	RSM120-6-320P	RSM120-6-325P	RSM120-6-330P
Rated Power in Watts-Pmax(Wp)	310	315	320	325	330
Open Circuit Voltage-Voc(V)	40.10	40.30	40.50	40.70	40.90
Short Circuit Current-Isc(A)	9.93	10.03	10.13	10.23	10.33
Maximum Power Voltage-Vmpp(V)	33.26	33.46	33.66	33.85	34.04
Maximum Power Current-Impp(A)	9.33	9.43	9.52	9.62	9.71
Module Efficiency (%)	18.4	18.7	19.0	19.3	19.6

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
 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; 25 Years Limited Power Warranty

ELECTRICAL DATA (NMOT)

Model Number	RSM120-6-310P	RSM120-6-315P	RSM120-6-320P	RSM120-6-325P	RSM120-6-330P
Maximum Power-Pmax (Wp)	231.8	235.7	239.3	243.3	246.9
Open Circuit Voltage-Voc (V)	36.50	36.60	36.80	36.90	37.00
Short Circuit Current-Isc (A)	8.12	8.20	8.28	8.36	8.45
Maximum Power Voltage-Vmpp (V)	30.50	30.70	30.90	31.10	31.20
Maximum Power Current-Impp (A)	7.59	7.67	7.75	7.83	7.92

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

MECHANICAL DATA

Solar cells	Cast-mono, 5BB
Cell configuration	120 cells (6×10+6×10)
Module dimensions	1689×996×35mm
Weight	19.5kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
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(-)150mm
Connector	Risen Twinsel PV-SY02, IP68

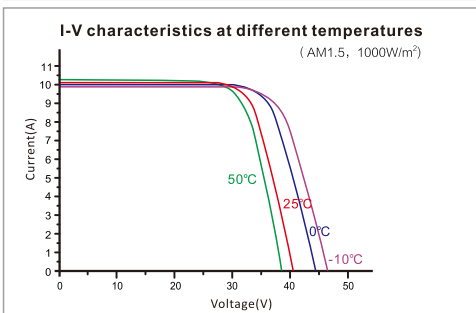
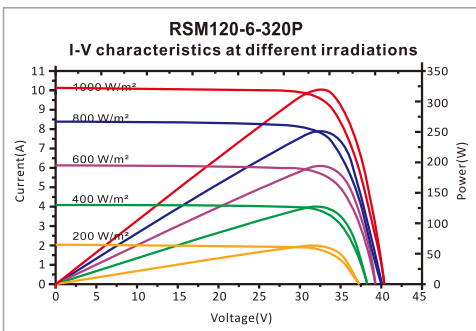
TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.38%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS C (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

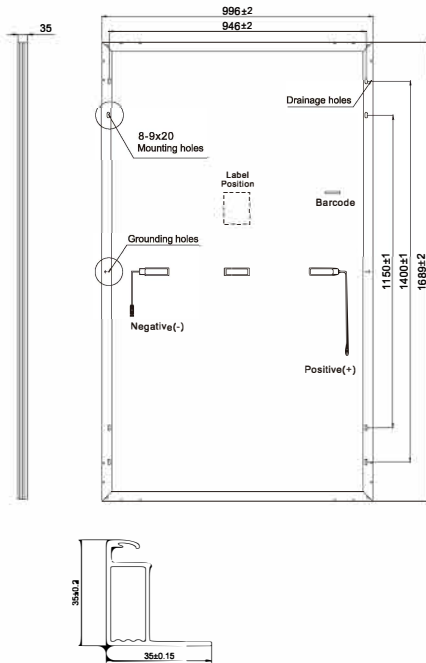
PACKAGING CONFIGURATION

	40ft	20ft
Number of modules per container	780	360
Number of modules per pallet	30	30
Number of pallets per container	26	12
Packaging box dimensions (LxWxH) in mm	1715×1105×1130	1715×1105×1130
Box gross weight[kg]	630	630

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Dimensions of PV Module



ELECTRICAL DATA (STC)

Model Number	RSM120-6-335P
Rated Power in Watts-Pmax(Wp)	335
Open Circuit Voltage-Voc(V)	41.10
Short Circuit Current-Isc(A)	10.43
Maximum Power Voltage-Vmpp(V)	34.22
Maximum Power Current-Impp(A)	9.80
Module Efficiency (%)	19.9

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
 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; 25 Years Limited Power Warranty

ELECTRICAL DATA (NMOT)

Model Number	RSM120-6-335P
Maximum Power-Pmax (Wp)	250.5
Open Circuit Voltage-Voc (V)	37.10
Short Circuit Current-Isc (A)	8.53
Maximum Power Voltage-Vmpp (V)	31.30
Maximum Power Current-Impp (A)	8.00

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

MECHANICAL DATA

Solar cells	Cast-mono, 5BB
Cell configuration	120 cells (6×10+6×10)
Module dimensions	1689×996×35mm
Weight	19.5kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
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(-)150mm
Connector	Risen Twinsel PV-SY02, IP68

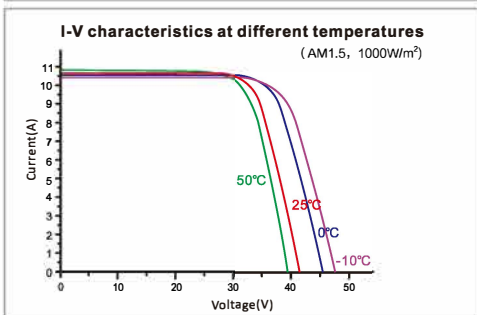
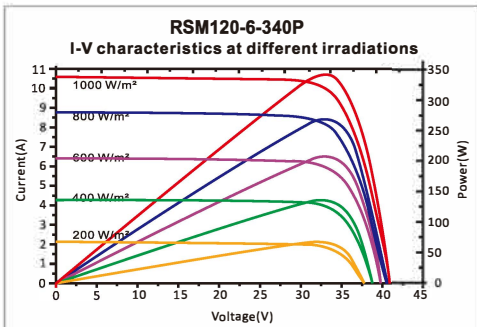
TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.38%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS C (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

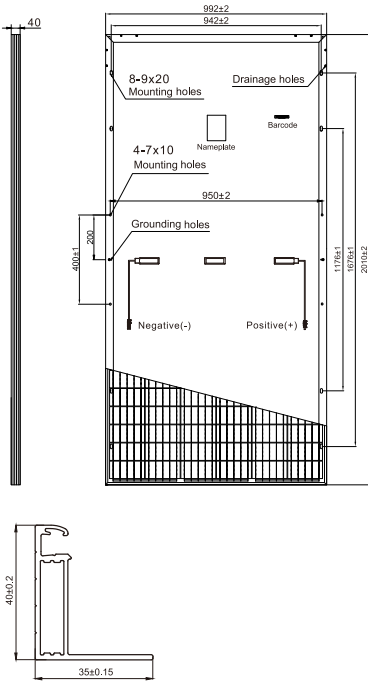
PACKAGING CONFIGURATION

	40ft	20ft
Number of modules per container	780	360
Number of modules per pallet	30	30
Number of pallets per container	26	12
Packaging box dimensions (LxWxH) in mm	1715×1105×1130	1715×1105×1130
Box gross weight[kg]	630	630

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Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM144-6-330P	RSM144-6-335P	RSM144-6-340P	RSM144-6-345P
Rated Power in Watts-Pmax(Wp)	330	335	340	345
Open Circuit Voltage-Voc(V)	45.90	46.10	46.30	46.50
Short Circuit Current-Isc(A)	9.20	9.30	9.40	9.50
Maximum Power Voltage-Vmpp(V)	38.45	38.60	38.70	38.80
Maximum Power Current-Impp(A)	8.60	8.70	8.80	8.90
Module Efficiency (%) *	16.6	16.8	17.1	17.3

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; 25 Years Limited Power Warranty

ELECTRICAL DATA (NMOT)

Model Number	RSM144-6-335P	RSM144-6-335P	RSM144-6-340P	RSM144-6-345P
Maximum Power-Pmax (Wp)	246.6	250.4	254.0	257.5
Open Circuit Voltage-Voc (V)	42.20	42.40	42.60	42.80
Short Circuit Current-Isc (A)	7.54	7.63	7.71	7.79
Maximum Power Voltage-Vmpp (V)	35.20	35.30	35.40	35.50
Maximum Power Current-Impp (A)	7.01	7.09	7.17	7.25

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

MECHANICAL DATA

Solar cells	Polycrystalline, 5BB
Cell configuration	144 cells (6×12+6×12)
Module dimensions	2010/2020/2015×992/998/996×25/30/35/40mm
Weight	16.5-27kg (approx)
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6063T5, 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

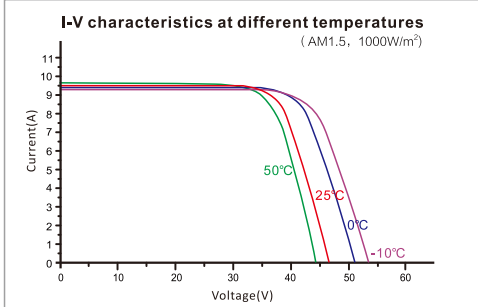
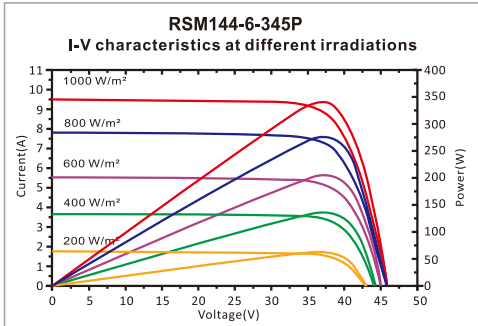
Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.055%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS C (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	594	270
Number of modules per pallet	27	27
Number of pallets per container	22	10
Packaging box dimensions (LxWxH) in mm	2040×1130×1130	2040×1130×1130
Box gross weight[kg]	670	670

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

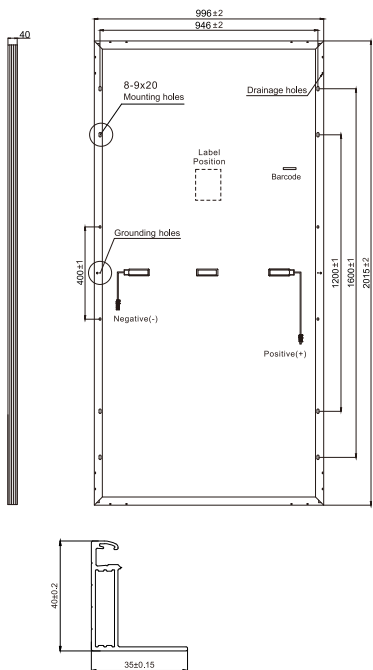
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Website: www.risenenergy.com
REM144-P-5BB-EN-H2-1-2020

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM144-6-375P	RSM144-6-380P	RSM144-6-385P	RSM144-6-390P	RSM144-6-395P	RSM144-6-400P
Rated Power in Watts-Pmax(Wp)	375	380	385	390	395	400
Open Circuit Voltage-Voc(V)	48.40	48.60	48.80	49.00	49.20	49.40
Short Circuit Current-Isc(A)	9.95	10.05	10.15	10.25	10.35	10.45
Maximum Power Voltage-Vmpp(V)	40.12	40.26	40.41	40.55	40.69	40.83
Maximum Power Current-Impp(A)	9.36	9.45	9.54	9.63	9.72	9.81
Module Efficiency (%)	18.7	18.9	19.2	19.4	19.7	19.9

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

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; 25 Years Limited Power Warranty

ELECTRICAL DATA (NMOT)

Model Number	RSM144-6-375P	RSM144-6-380P	RSM144-6-385P	RSM144-6-390P	RSM144-6-395P	RSM144-6-400P
Maximum Power-Pmax (Wp)	280.7	284.3	287.9	291.6	295.4	299.1
Open Circuit Voltage-Voc (V)	44.70	45.00	45.40	45.70	45.75	45.80
Short Circuit Current-Isc (A)	8.16	8.20	8.24	8.28	8.35	8.44
Maximum Power Voltage-Vmpp (V)	36.60	36.90	37.10	37.40	37.45	37.50
Maximum Power Current-Impp (A)	7.67	7.71	7.75	7.79	7.89	7.98

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

MECHANICAL DATA

Solar cells	Cast-mono, 5BB
Cell configuration	144 cells (6×12+6×12)
Module dimensions	2015×996×40mm
Weight	23kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
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(-)100mm
Connector	Risen Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.38%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Module Fire Performance	CLASS C (IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40ft	20ft
Number of modules per container	594	270
Number of modules per pallet	27	27
Number of pallets per container	22	10
Packaging box dimensions (LxWxH) in mm	2040×1130×1130	2040×1130×1130
Box gross weight[kg]	670	670

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

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