

# TWINSEL

HIGH PERFORMANCE  
MONOCRYSTALLINE PERC MODULE

G5.3



888

## RSM40-8-390M-410M

**120 CELL**

Mono PERC Module

**390-410Wp**

Power Output Range

**1500VDC**

Maximum System Voltage

**21.3%**

Maximum Efficiency

### KEY SALIENT FEATURES



Global, Tier 1 bankable brand, with independently certified state-of-the-art automated manufacturing



Industry leading lowest thermal co-efficient of power



Excellent low irradiance performance



Excellent PID resistance



Positive tight power tolerance



Dual stage 100% EL Inspection warranting defect-free product



Module Imp binning radically reduces string mismatch losses



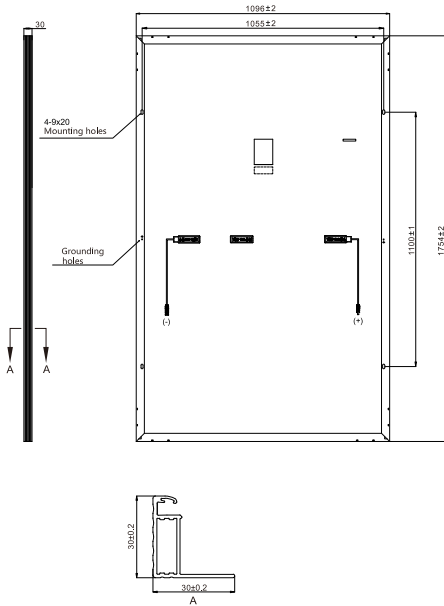
Excellent wind load 2400Pa & snow load 5400Pa under certain installation method



Comprehensive product and system certification

- ◆ IEC61215:2016; IEC61730-1/-2:2016;
- ◆ ISO 9001:2015 Quality Management System
- ◆ ISO 14001:2015 Environmental Management System
- ◆ ISO 45001:2018 Occupational Health and Safety Management System

### Dimensions of PV Module Unit: mm



### ELECTRICAL DATA (STC)

Model Number	RSM40-8-390M	RSM40-8-395M	RSM40-8-400M	RSM40-8-405M	RSM40-8-410M
Rated Power in Watts-Pmax(Wp)	<b>390</b>	<b>395</b>	<b>400</b>	<b>405</b>	<b>410</b>
Open Circuit Voltage-Voc(V)	40.69	41.00	41.30	41.60	41.90
Short Circuit Current-Isc(A)	12.21	12.27	12.34	12.40	12.47
Maximum Power Voltage-Vmpp(V)	33.88	34.14	34.39	34.64	34.89
Maximum Power Current-Impp(A)	11.52	11.58	11.64	11.70	11.76
Module Efficiency (%) *	20.3	20.5	20.8	21.1	21.3

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

\* Module Efficiency (%): Round-off to the nearest number

### ELECTRICAL DATA (NMOT)

Model Number	RSM40-8-390M	RSM40-8-395M	RSM40-8-400M	RSM40-8-405M	RSM40-8-410M
Maximum Power-Pmax (Wp)	295.6	299.4	303.1	306.9	310.7
Open Circuit Voltage-Voc (V)	37.84	38.13	38.41	38.69	38.97
Short Circuit Current-Isc (A)	10.01	10.07	10.12	10.17	10.22
Maximum Power Voltage-Vmpp (V)	31.44	31.68	31.91	32.15	32.38
Maximum Power Current-Impp (A)	9.40	9.45	9.50	9.55	9.60

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

### MECHANICAL DATA

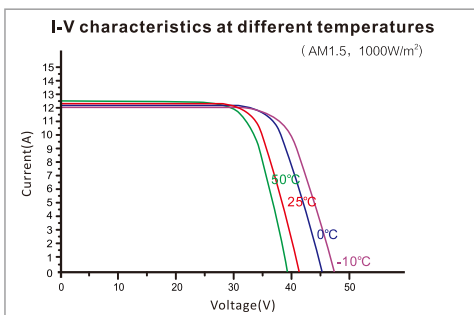
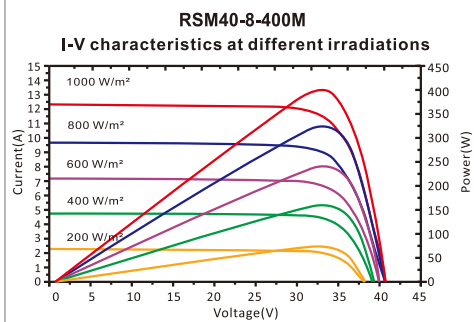
Solar cells	Monocrystalline
Cell configuration	120 cells (5×12+5×12)
Module dimensions	1754×1096×30mm
Weight	21kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6005-2T6, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), Positive(+)350mm, Negative(-)350mm (Connector Included)
Connector	Risen Twinsel PV-SY02, IP68

### TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.34%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

### PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	936	180
Number of modules per pallet	36	36
Number of pallets per container	26	5
Box gross weight[kg]	805	805



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