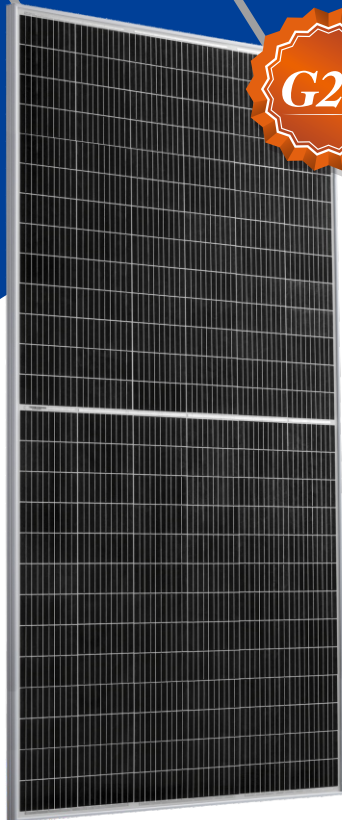


TWINSEL *Plus*

HIGH PERFORMANCE
MONOCRYSTALLINE PERC MODULE



G2.3

RSM156-6-430M-455M

156 CELL

Mono PERC Module

430-455Wp

Power Output Range

1500VDC

Maximum System Voltage

21.0%

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



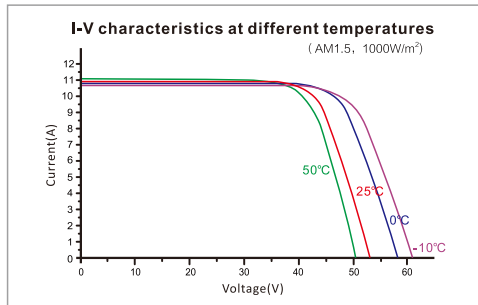
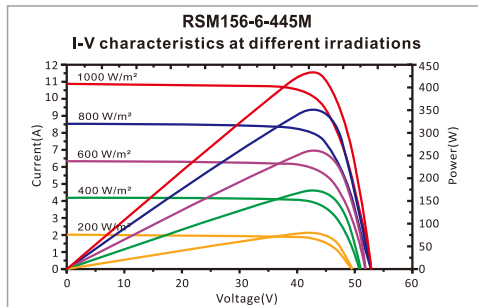
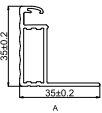
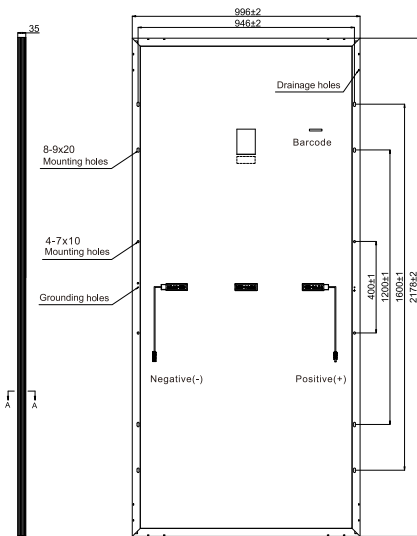
Excellent wind load 2400Pa & snow load 5400Pa under certain installation method



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



Our Partners:

ELECTRICAL DATA (STC)

Model Number	RSM156-6-430M	RSM156-6-435M	RSM156-6-440M	RSM156-6-445M	RSM156-6-450M	RSM156-6-455M
Rated Power in Watts-Pmax(Wp)	430	435	440	445	450	455
Open Circuit Voltage-Voc(V)	52.38	52.50	52.62	52.72	52.82	52.92
Short Circuit Current-Isc(A)	10.47	10.57	10.67	10.77	10.87	10.97
Maximum Power Voltage-Vmpp(V)	43.60	43.70	43.80	43.90	44.00	44.10
Maximum Power Current-Impp(A)	9.87	9.97	10.06	10.15	10.24	10.32
Module Efficiency (%) *	19.8	20.1	20.3	20.5	20.7	21.0

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

ELECTRICAL DATA (NMOT)

Model Number	RSM156-6-430M	RSM156-6-435M	RSM156-6-440M	RSM156-6-445M	RSM156-6-450M	RSM156-6-455M
Maximum Power-Pmax (Wp)	321.8	325.5	329.3	332.9	336.6	340.3
Open Circuit Voltage-Voc (V)	48.20	48.30	48.41	48.50	48.59	48.69
Short Circuit Current-Isc (A)	8.59	8.67	8.75	8.83	8.91	9.00
Maximum Power Voltage-Vmpp (V)	39.90	40.09	40.18	40.26	40.33	40.41
Maximum Power Current-Impp (A)	8.06	8.12	8.20	8.27	8.35	8.42

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

MECHANICAL DATA

Solar cells	Monocrystalline
Cell configuration	156 cells (6×13+6×13)
Module dimensions	2178×996×35mm
Weight	25kg
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)	44°C±2°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.37%/°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	620	310
Number of modules per pallet	31	31
Number of pallets per container	20	10
Packaging box dimensions (LxWxH) in mm	2205×1135×1130	2205×1135×1130
Box gross weight[kg]	830	830