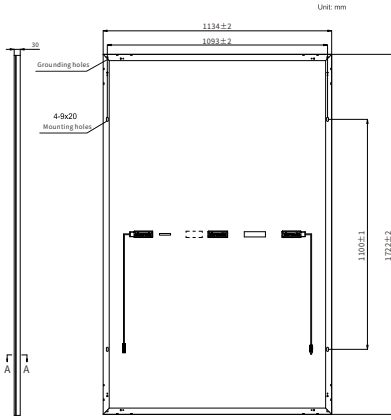


Dimensions of PV Module



ELECTRICAL DATA (STC)

Model Type	RSM108-9-440N
Rated Power in Watts-Pmax(Wp)	440
Open Circuit Voltage-Voc(V)	39.67
Short Circuit Current-Isc(A)	14.08
Maximum Power Voltage-Vmpp(V)	33.34
Maximum Power Current-Impp(A)	13.20
Module Efficiency (%) ★	22.5

STC: Irradiance 1000 W/m<sup>2</sup>, 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  
 The first year degradation:1%, annual degradation:0.4%, power retention rate within 30 years:87.4%

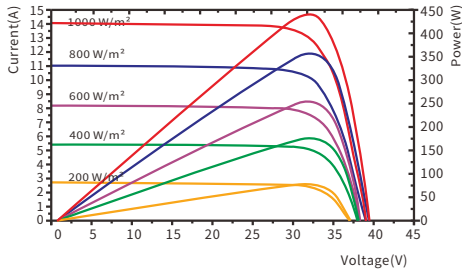
ELECTRICAL DATA (NMOT)

Model Type	RSM108-9-440N
Maximum Power-Pmax (Wp)	332.8
Open Circuit Voltage-Voc (V)	36.89
Short Circuit Current-Isc (A)	11.53
Maximum Power Voltage-Vmpp (V)	30.94
Maximum Power Current-Impp (A)	10.76

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

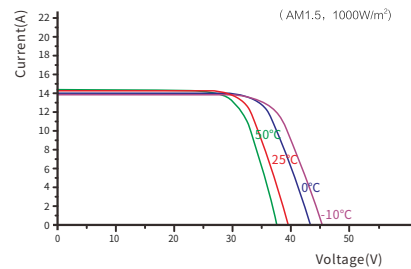
RSM108-9-440N

I-V characteristics at different irradiances



I-V characteristics at different temperatures

(AM1.5, 1000W/m<sup>2</sup>)



MECHANICAL DATA

Solar cells	n-type TOPCon
Cell configuration	108 cells (6×9×6×9)
Module dimensions	1722×1134×30/35/40mm
Weight	20~29kg
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 <sup>2</sup> , Positive(+)1200mm, Negative(-)1200mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

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	

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	25A
Limiting Reverse Current	25A



THE POWER OF RISING VALUE

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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.