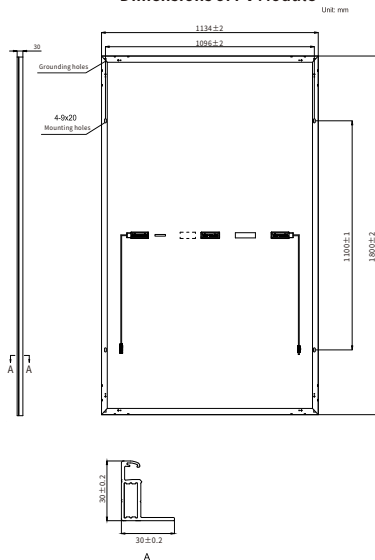


Dimensions of PV Module



ELECTRICAL DATA (STC)

Model Type	RSM108-10-440BNDG
Rated Power in Watts-Pmax(Wp)	440
Open Circuit Voltage-Voc(V)	38.61
Short Circuit Current-Isc(A)	14.55
Maximum Power Voltage-Vmpp(V)	32.08
Maximum Power Current-Imp(A)	13.74
Module Efficiency (%) *	21.6

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%

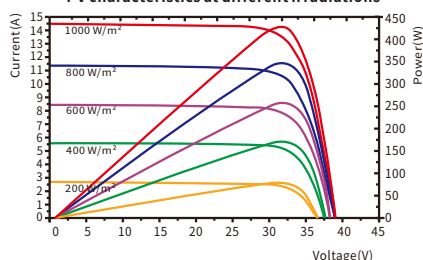
ELECTRICAL DATA (NMOT)

Model Type	RSM108-10-440BNDG
Maximum Power-Pmax (Wp)	333.9
Open Circuit Voltage-Voc (V)	35.91
Short Circuit Current-Isc (A)	11.93
Maximum Power Voltage-Vmpp (V)	29.77
Maximum Power Current-Imp (A)	11.21

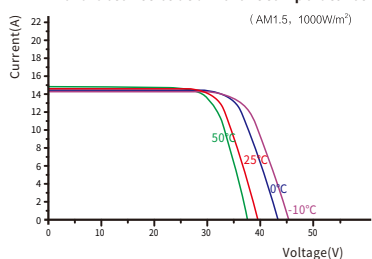
NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

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	

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

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