

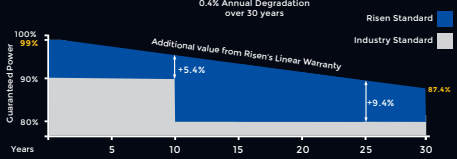
# 440W

## n-Type TopCON Series



### LINEAR PERFORMANCE WARRANTY

25 year Product Warranty / 30 year Linear Power Warranty



Only Applicable To Residential Rooftops In Australia and New Zealand

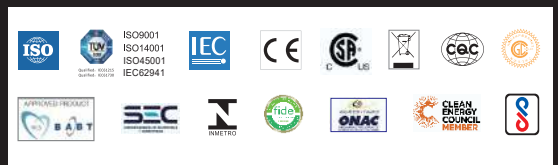
**108 CELL**  
n-Type Module

**440Wp**  
Power Output

**1500VDC**  
Maximum System Voltage

**22.5%**  
Maximum Efficiency

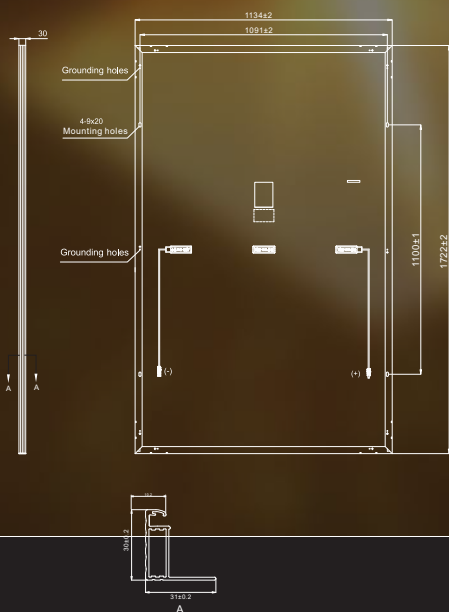
### CERTIFICATIONS



# n-Type TopCON Series

# 440W

Dimensions of PV Module Unit:mm



## ELECTRICAL DATA (STC)

Model Number	RSM108-9-415N	RSM108-9-420N	RSM108-9-425N	RSM108-9-430N	RSM108-9-435N	RSM108-9-440N
Rated Power in Watts-Pmax(Wp)	415	420	425	430	435	440
Open Circuit Voltage-Voc(V)	38.67	38.87	39.07	39.27	39.47	39.67
Short Circuit Current-Isc(A)	13.70	13.78	13.86	13.94	14.00	14.06
Maximum Power Voltage-Vmpp(V)	32.37	32.56	32.75	32.95	33.15	33.34
Maximum Power Current-Imp(A)	12.84	12.92	13.00	13.07	13.13	13.18
Module Efficiency (%) *	21.3	21.5	21.8	22.0	22.3	22.5

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.  
 \* Module Efficiency (%): Rounding to the nearest number

## ELECTRICAL DATA (NMOT)

Model Number	RSM108-9-415N	RSM108-9-420N	RSM108-9-425N	RSM108-9-430N	RSM108-9-435N	RSM108-9-440N
Maximum Power-Pmax (Wp)	314.8	318.6	322.5	326.1	329.5	332.8
Open Circuit Voltage-Voc (V)	35.78	36.15	36.34	36.52	36.71	36.89
Short Circuit Current-Isc (A)	11.16	11.30	11.37	11.43	11.48	11.53
Maximum Power Voltage-Vmpp (V)	29.86	30.22	30.40	30.57	30.76	30.94
Maximum Power Current-Imp (A)	10.48	10.54	10.61	10.67	10.71	10.76

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

## MECHANICAL DATA

Solar cells	n-type
Cell configuration	108 cells (6×9+6×9)
Module dimensions	1722×1134×30mm
Weight	22kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy, Black
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> , Positive(+)1200mm, Negative(-)1200mm (Connector Included ) or customized length
Connector	MC4 EVO2, IP68

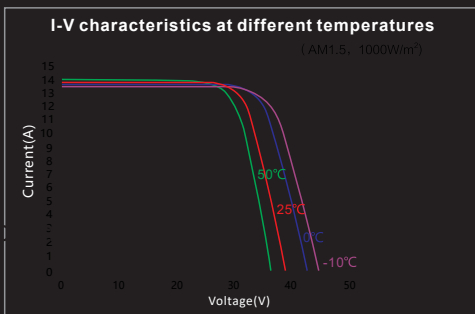
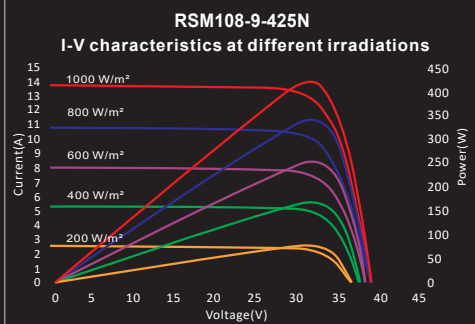
## TEMPERATURE & MAXIMUM RATINGS

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	-0.30%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

## 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	1738×1140×1260	1738×1140×1260
Box gross weight[kg]	835	835

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