

440W

n-Type TopCON Series

No. 1 Ranked

Global top-rated, tier 1 bankable brand

01



The Best Warranty

An industry leading 25 year product warranty and 30 year performance warranty

02



No LID

n type solar cell do not exhibit LID.

03



Low Temp

Industry leading lowest thermal coefficient of power

04



Local Like You

40-strong local team with offices in Victoria, Queensland, New South Wales and Western Australia

05



Multiple Awards

Awarded the Top Brand PV Seal in Australia for 4 consecutive years by EUPD Research

06



SMSL Member

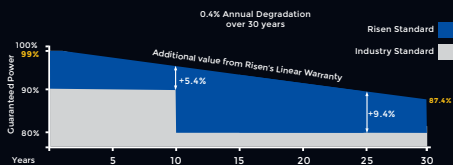
Member of the Silicone Module Super League

07



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

1500VDC
Maximum System Voltage

440Wp
Power Output

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/m², 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/m², 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 ² , Positive(+)1200mm, Negative(-)1200mm (Connector Included) or customized length
Connector	MC4 EVO2, IP68

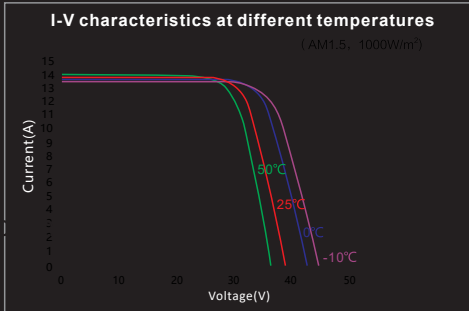
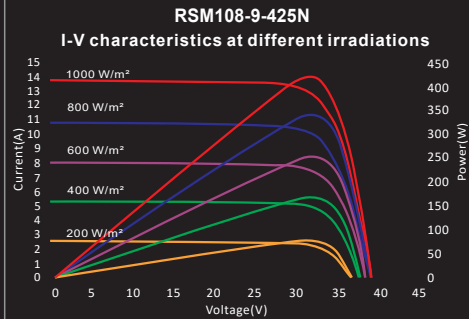
TEMPERATURE & MAXIMUM RATINGS

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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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.



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