

series SKYMAX

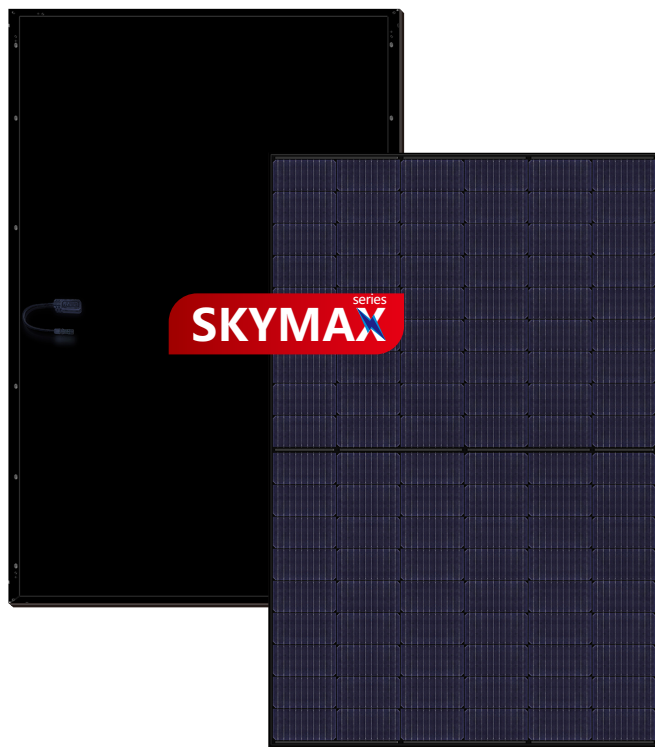
RM-440W-182M/108T

N-TOPCon
Full Black Monocrystalline Module

1762×1134×35 **182×91**
Module dimensions (mm) Cell size (mm)

108CELL **420-440Wp**
Mono TOPCon module Power output

1500V DC **22.02%**
Max. system voltage Max. efficiency



KEY FEATURES

- Optimal Choice for Ultra-large Power Plants**
Contribute to Lower BOS cost and LCOE.
- ZERO LID**
N-Type cell is characterized by "0" LID, which generates more power
- PID Resistance**
Excellent Anti-PID performance guarantee via optimized mass-production process and material control.
- Durability Against Extreme Environmental Conditions**
High salt mist and ammonia resistance certified by TUV NORD. Lower temperature coefficient and operating temperature.
- More Outstanding Low-light Performance**
Higher power output even under low-light environments like on cloudy days
- Enhanced Mechanical Load**
Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).
- EL Full Inspection**
Dual stage 100% EL Inspection warranting defect-free product.

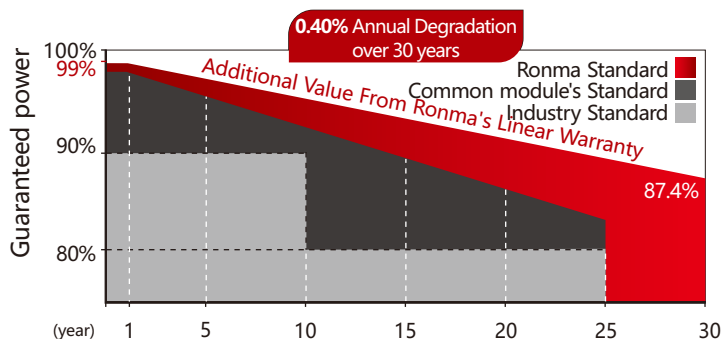


Comprehensive Products and System Certificates

- IEC61215/IEC61730/IEC61701/IEC62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupational Health and Safety Management System

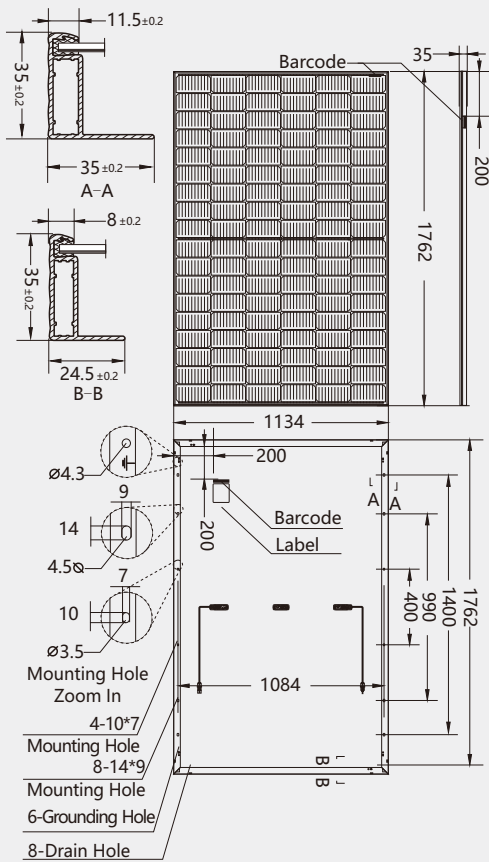
LINEAR PERFORMANCE WARRANTY

12-year product warranty / 30-year linear power warranty



Dimensions of PV Module

Unit: mm



ELECTRICAL CHARACTERISTICS (STC*)

Model Number	RM-420W-182M/108T	RM-425W-182M/108T	RM-430W-182M/108T	RM-435W-182M/108T	RM-440W-182M/108T
Rated Power in Watts-Pmax(Wp)	420	425	430	435	440
Open Circuit Voltage-Voc(V)	38.74	38.95	39.16	39.36	39.57
Short Circuit Current-Isc(A)	13.51	13.58	13.65	13.72	13.80
Max. Power Voltage-Vmpp(V)	32.16	32.37	32.58	32.78	32.99
Max. Power Current-Impp(A)	13.06	13.13	13.20	13.27	13.34
Module Efficiency(%)	21.02	21.27	21.52	21.77	22.02
Maximum system voltage	1500V DC				
Fuse Rating(A)	25				
Temperature coefficient Pmax	-0.30%/°C				
Temperature coefficient Isc	0.046%/°C				
Temperature coefficient Voc	-0.25%/°C				

*STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

WORKING CHARACTERISTICS (NOCT*)

Model Number	RM-420W-182M/108T	RM-425W-182M/108T	RM-430W-182M/108T	RM-435W-182M/108T	RM-440W-182M/108T
Rated Power in Watts-Pmax(Wp)	316	320	323	327	331
Open Circuit Voltage-Voc(V)	36.80	37.00	37.20	37.39	37.59
Short Circuit Current-Isc(A)	10.91	10.96	11.02	11.08	11.14
Max. Power Voltage-Vmpp(V)	29.95	30.19	30.30	30.50	30.73
Max. Power Current-Impp(A)	10.55	10.60	10.66	10.72	10.77
Power tolerance	0~+3%				
NOCT	45°C±2°C				
Operating Temperature	-40°C~85°C				

*NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

MECHANICAL CHARACTERISTICS

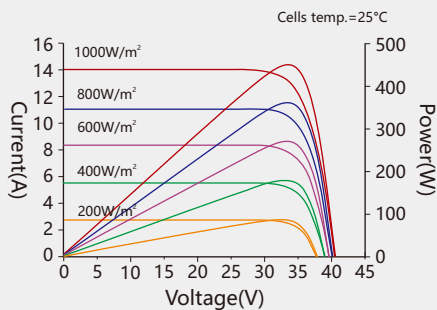
Number of cells	108pcs
Size of cell(mm)	182×91
Type of cell	N-TOPCon Mono
Thickness of glass(mm)	3.2
Junction box	IP68
Type of frame	Anodized Aluminum Alloy, Black Color
Size of module(mm)	1762×1134×35
Weight(kg)	22
Cables/connectors	4.0mm ² , MC4 compatible
Length of Cable	+300mm/-300mm (connector included)

PACKAGING CONFIGURATION

	40ft (HQ)
Number of Modules Per Container	806
Number of Modules Per Pallet	31
Number of Pallets Per Container	26
Packaging Box Dimensions (l×w×h) (mm)	1790×1120×1260
Box Gross Weight (kg)	691

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT
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RM-430W-182M/108T I-V characteristics at different irradiances



I-V characteristics at different temperatures

