

SKYMAX SERIES

RM - 430W - 182M/108T

N-TOPCon

Black Frame White Mesh Single Glass

MANUFACTURED BY RONMA SOLAR.

1722×1134×35/30

Dimensions (mm)

108 CELL

Dimensions (mm)

1500V DC

Max. system voltage

182×91

Cell size (mm)

430Wp

Power output

22.02%

Max. efficiency



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 coefficients and operating temperature



Outstanding Low-light Performance

Higher power output even under low-light environments like on cloudy days



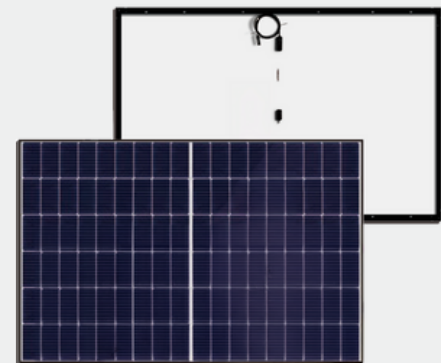
Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).

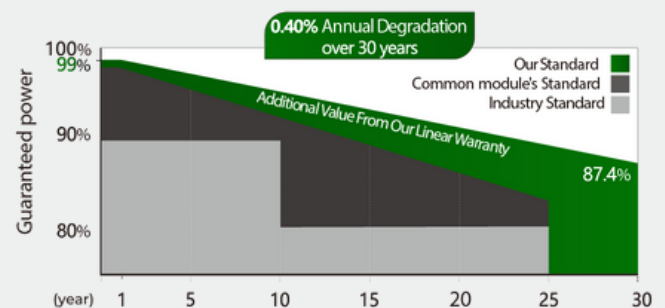


EL Full Inspection

Dual-stage 100% EL Inspection.



Linear Performance Warranty



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

Comprehensive Certificates

- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests
- ISO9001: Quality Management System
- ISO14001: Environmental Management System
- ISO14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupational Health and Safety Management System



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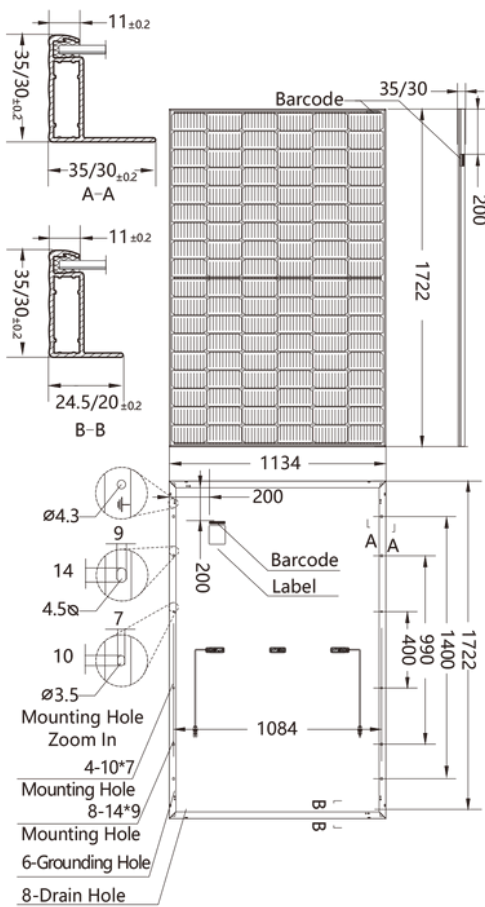
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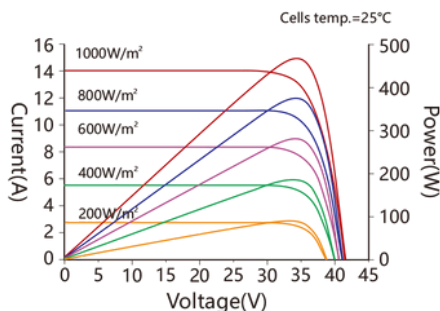
comercial@polestarenergy.es

Dimensions of PV Module

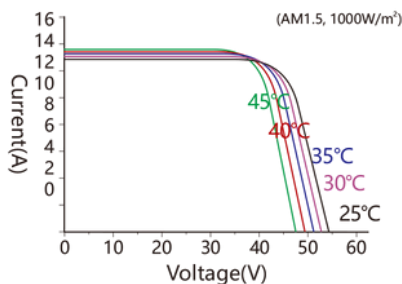
Unit: mm



RM-435W-182M/108T
I-V characteristics at different irradiances



I-V characteristics at different temperatures



ELECTRICAL CHARACTERISTICS (STC*)

Model Number	RM-430W-182M/108T
Rated Power in Watts-Pmax (Wp)	430
Open Circuit Voltage-Voc (V)	38.95
Short Circuit Current-Isc (A)	13.73
Max. Power Voltage-Vmpp (V)	32.38
Max. Power Current-Impp (A)	13.28
Module Efficiency (%)	22.02
Maximum system voltage	1500V DC
Fuse Rating(A)	25
Temperature coefficient Pmax	-0.29%/°C
Temperature coefficient Isc	0.045%/°C
Temperature coefficient Voc	-0.25%/°C

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

WORKING CHARACTERISTICS (NOCT*)

Model Number	RM-430W-182M/108T
Rated Power in Watts-Pmax (Wp)	323
Open Circuit Voltage-Voc (V)	37.00
Short Circuit Current-Isc (A)	11.09
Max. Power Voltage-Vmpp (V)	30.10
Max. Power Current-Impp (A)	10.73
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
Size of module (mm)	1722×1134×35/30
Weight (kg)	21.5
Cables/connectors	4.0mm², MC4 compatible
Length of Cable	+300mm/-300mm (connector inc.)

PACKAGING CONFIGURATION

Height of Modules (mm)	35	30
Number of Modules Per Pallet	31	36
Packaging Box Dimensions (l×w×h) (mm)	1750×1120×1260	1750×1120×1260
Box Gross Weight (kg)	706	803
Number of Modules Per 40ft (HQ) Container	806	936
Number of Pallets Per 40ft (HQ) Container	26	26

Notes: Read safety and installation instructions before using the product. The data provided in this data sheet are subject to change without notice.

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