

series  
**SKYMAX**  
 RM-440W-182M/108TB

**N-TOPCon**  
 Bifacial Monocrystalline Module

- Light Redirecting Film: Ronma TOPCON modules use gap Light Redirecting Film technology to ensure the bifaciality and reliability of the module, meanwhile effectively increasing the power performance.
- No-Destructive Cutting: Ronma cells-cutting is using NDC (non-destructive) cutting technology, the cutting surface is smooth, which avoids the loss of the mechanical structure of the cells and ensures sufficient current.
- Junction Box Laser Welding Technology: Ronma uses the high energy density and precise positioning control capabilities of the laser to achieve high-quality welding. It can accurately control the junction box welding position and welding time to ensure welding quality and reliability, to improve module safety.

**1722×1134×35/30 182×91**

Dimensions (mm)

Cell size (mm)

**108 CELL**

Mono TOPCon

**420-440Wp**

Power output

**1500V DC**

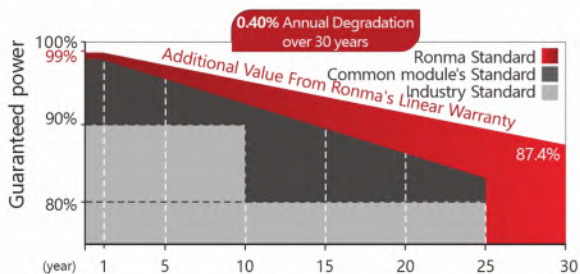
Max. system voltage

**22.53%**

Max. efficiency

**LINEAR PERFORMANCE WARRANTY**

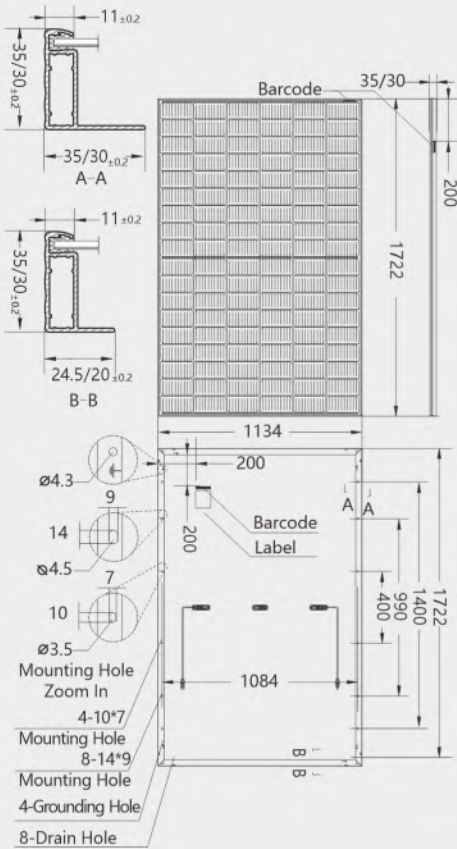
15-year product warranty / 30-year linear power warranty





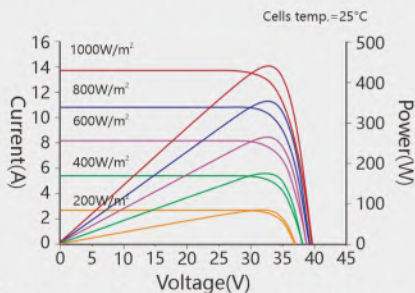
### Dimensions of PV Module

Unit: mm

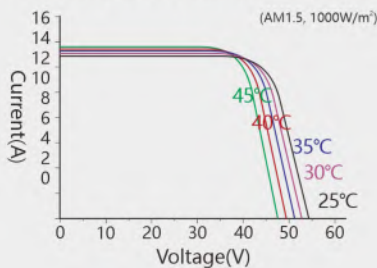


### RM-420W-182M/108T

#### I-V characteristics at different irradiances



#### I-V characteristics at different temperatures



## ELECTRICAL CHARACTERISTICS (STC\*)

Model Number	RM-410W-182M/108T	RM-415W-182M/108T	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)	410	415	420	425	430	435	440
Open Circuit Voltage-Voc(V)	37.73	37.92	38.11	38.30	38.49	38.65	38.81
Short Circuit Current-Isc(A)	13.91	13.99	14.07	14.15	14.23	14.32	14.41
Max. Power Voltage-Vmpp(V)	31.13	31.32	31.51	31.70	31.88	32.06	32.24
Max. Power Current-Impp(A)	13.17	13.25	13.33	13.41	13.49	13.57	13.65
Module Efficiency(%)	21.00	21.25	21.51	21.76	22.02	22.28	22.53
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/m<sup>2</sup>, module temperature 25°C, AM=1.5

## WORKING CHARACTERISTICS (NOCT\*)

Model Number	RM-410W-182M/108T	RM-415W-182M/108T	RM-420W-182M/108T	RM-425W-182M/108T	RM-430W-182M/108T
Rated Power in Watts-Pmax(Wp)	309	312	316	320	323
Open Circuit Voltage-Voc(V)	36.40	36.60	36.80	37.00	37.20
Short Circuit Current-Isc(A)	10.79	10.85	10.91	10.96	11.02
Max. Power Voltage-Vmpp(V)	29.58	29.73	29.95	30.19	30.30
Max. Power Current-Impp(A)	10.44	10.49	10.55	10.60	10.66
Power tolerance	0~+3%				
NOCT	45°C±2°C				
Operating Temperature	-40°C~85°C				

\*NOCT: Irradiance 800W/m<sup>2</sup>, 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)	2.0
Junction box	IP68, 1500V DC, 3 Diodes
Type of frame	Anodized Aluminum Alloy
Size of module(mm)	1722×1134×35/30
Weight(kg)	25
Cables/connectors	4.0mm <sup>2</sup> , MC4 compatible
Length of Cable	+300mm/-200mm (connector included) Length can be customized

## 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	802
Number of Modules Per 40ft (HQ) Container	800	930
Number of Pallets Per 40ft (HQ) Container	26	26

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT  
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