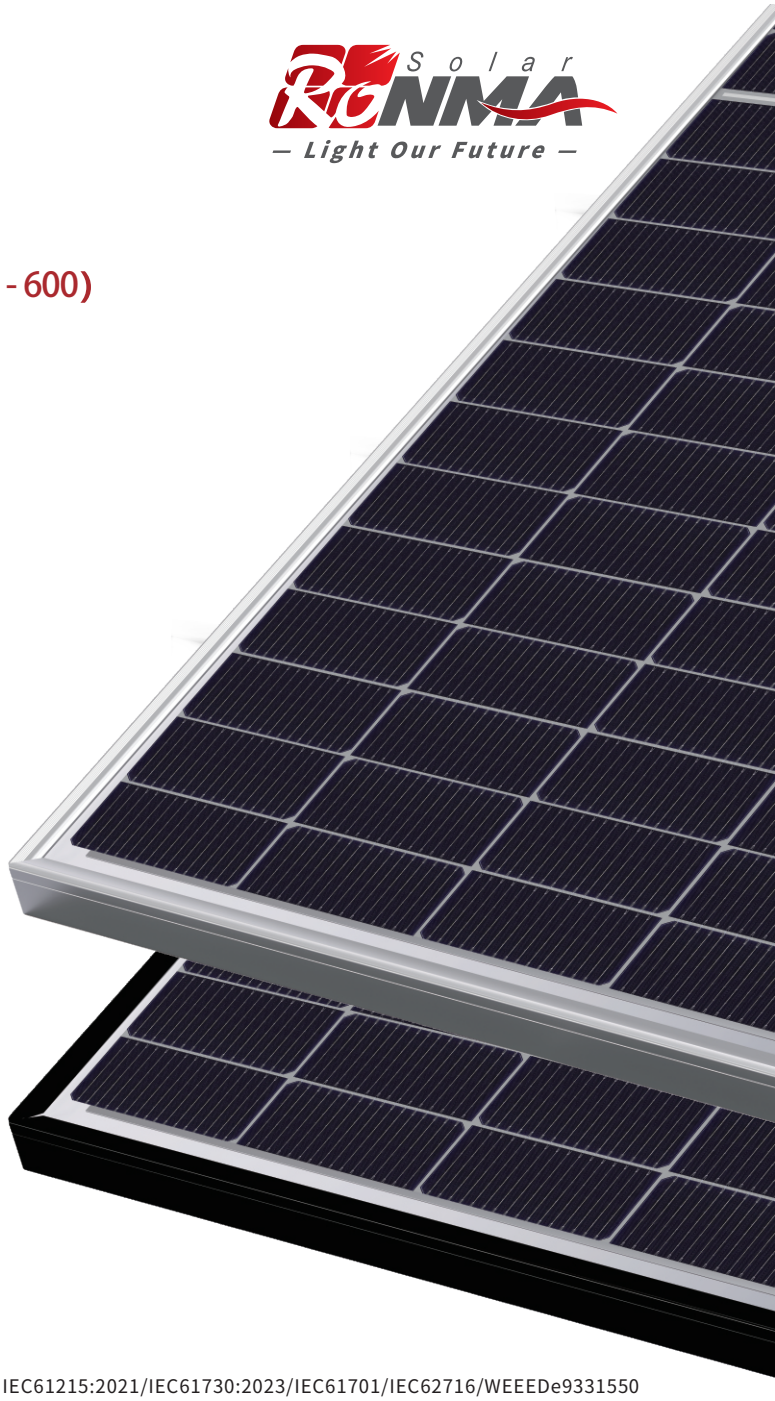
Solar RONMA
— Light Our Future —

SKYMAX series

RM-xxx W-182M/144TB (xxx=560 - 600)

N-TOPCon
Bifacial Monocrystalline Module

- Suitable for centralised PV generation.
- Warranty Upgrades.
- High efficiencyand strong power generation.
- Safer smart manufacturing.
- No-Destructive Cutting.
- Junction Box Laser Welding Technology.



2279×1134×35/30
Dimensions(mm)

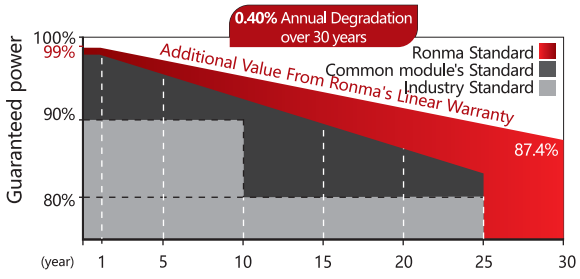
144 CELL
Mono TOPCon

560-600Wp
Power output

1500V DC
Max. system voltage

23.22%
Max. efficiency

LINEAR PERFORMANCE WARRANTY
15-year product warranty / 30-year linear power warranty



IEC61215:2021/IEC61730:2023/IEC61701/IEC62716/WEEEDe9331550

Higher Power Output
Module power increases by 5-25% generally, bringing significantly lower LCOE and higher IRR. 0-5w positive tolerance output warranty.

Multi Busbar Technology
By improving optical utilization rate, power increases by 2~3% and efficiency increases by 0.4~0.6%.

PID Resistance
Excellent Anti-PID performance guarantee via optimized mass-production process and material control.

Low-light Performance
Excellent performance in low light.

Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance certifiedby TUV Rheinland(On Request)

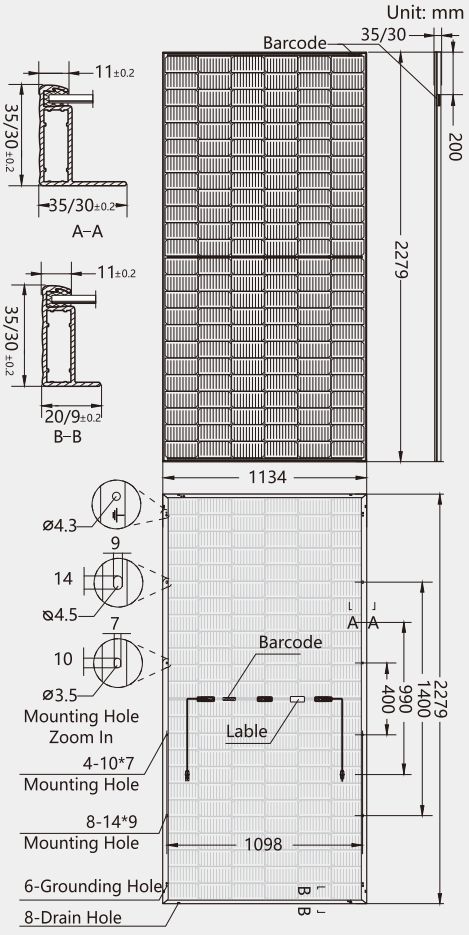
EL Full Inspection
Dual-stage 100% EL Inspection.

SKYMAX series

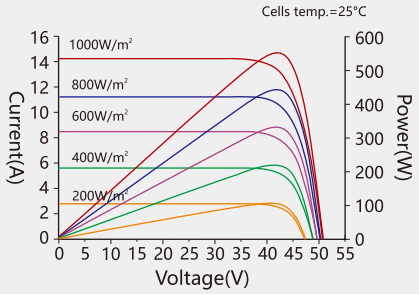
RM-xxxW-182M/144TB (xxx=560-600)

N-TOPCon | Bifacial Monocrystalline Module

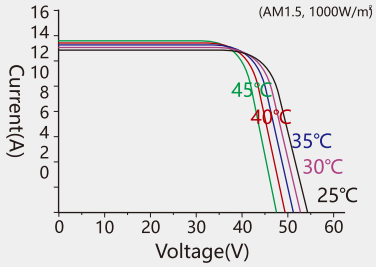
Dimensions of PV Module



RM-600W-182M/144TB
I-V characteristics at different irradiations



I-V characteristics at different temperatures



ELECTRICAL CHARACTERISTICS (STC*)

Rated Power in Watts-Pmax(Wp)	560	565	570	575	580	585	590	595	600
Open Circuit Voltage-Voc(V)	52.45	52.61	52.77	52.93	53.09	53.26	53.41	53.57	53.73
Short Circuit Current-Isc(A)	13.47	13.55	13.62	13.69	13.76	13.83	13.89	13.95	14.01
Max. Power Voltage-Vmpp(V)	44.12	44.26	44.39	44.61	44.84	45.06	45.28	45.50	45.72
Max. Power Current-Impp(A)	12.71	12.79	12.85	12.90	12.95	13.00	13.06	13.12	13.18
Module Efficiency(%)	21.67	21.86	22.06	22.25	22.44	22.6	22.8	23.02	23.22
Maximum system voltage	1500V DC								
Fuse Rating(A)	30								
Temperature coefficient Pmax	-0.29%/℃								
Temperature coefficient Isc	0.045%/℃								
Temperature coefficient Voc	-0.25%/℃								
Power tolerance	0~+5W								

*STC:Irradiance 1000W/m², module temperature 25°C,AM=1.5
*Tolerance of power/Voc/Isc ±2%/±3%/±4%

SPECIFICATIONS(BNPI)

Rated Power in Watts-Pmax(Wp)	619.1	624.9	629.9	635.3	641.1	647.0	652.5	658.8	665.2
Open Circuit Voltage-Voc(V)	52.65	52.81	52.97	53.13	53.29	53.45	53.61	53.77	53.93
Short Circuit Current-Isc(A)	14.81	14.91	14.98	15.05	15.13	15.21	15.28	15.34	15.41
Max. Power Voltage-Vmpp(V)	44.32	44.46	44.59	44.81	45.04	45.26	45.48	45.70	45.92
Max. Power Current-Impp(A)	13.97	14.06	14.13	14.18	14.24	14.30	14.35	14.42	14.49
Refer.Bifacial Factor	ϕIsc=80%±10%,ϕVoc=100%±3%,ϕPmax=80%±10%								
Operating Temperature	-40 °C~70°C								
BSI-Short Circuit Current-Isc(A)	16.46	16.57	16.65	16.72	16.81	16.90	16.96	17.05	17.13

*BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5
*BSI: Irradiance: front 1000W/m2, rear 300W/m2, Cell Temperature 25°C, AM=1.5

MECHANICAL CHARACTERISTICS

Number of cells	144pcs
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)	2279×1134×30
Weight(kg)	32
Cables/connectors	4.0mm², MC4 compatible
Connector	PV-ZKC2 Shanxi Zhongke Anrui Energy Technology Co., LTD HYG-01 Haiying New Energy Technology(Kunshan) Co., LTD. PV-CNT03-xy SUZHOU UKT NEW ENERGY TECHNOLOGY CO., LTD
Length of Cable	+300mm/-200mm (connector included) Length can be customized

*Fire Rating:Class C; Module[T98]max:70°C. Made in China

PACKAGING CONFIGURATION

Height of Modules (mm)	35	30
Number of Modules Per Pallet	31	36
Packaging Box Dimensions (l×w×h) (mm)	2300×1120×1260	2300×1120×1260
Box Gross Weight (kg)	1020	1180
Number of Modules Per 40ft (HQ) Container	620	720
Number of Pallets Per 40ft (HQ) Container	20	20

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT

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