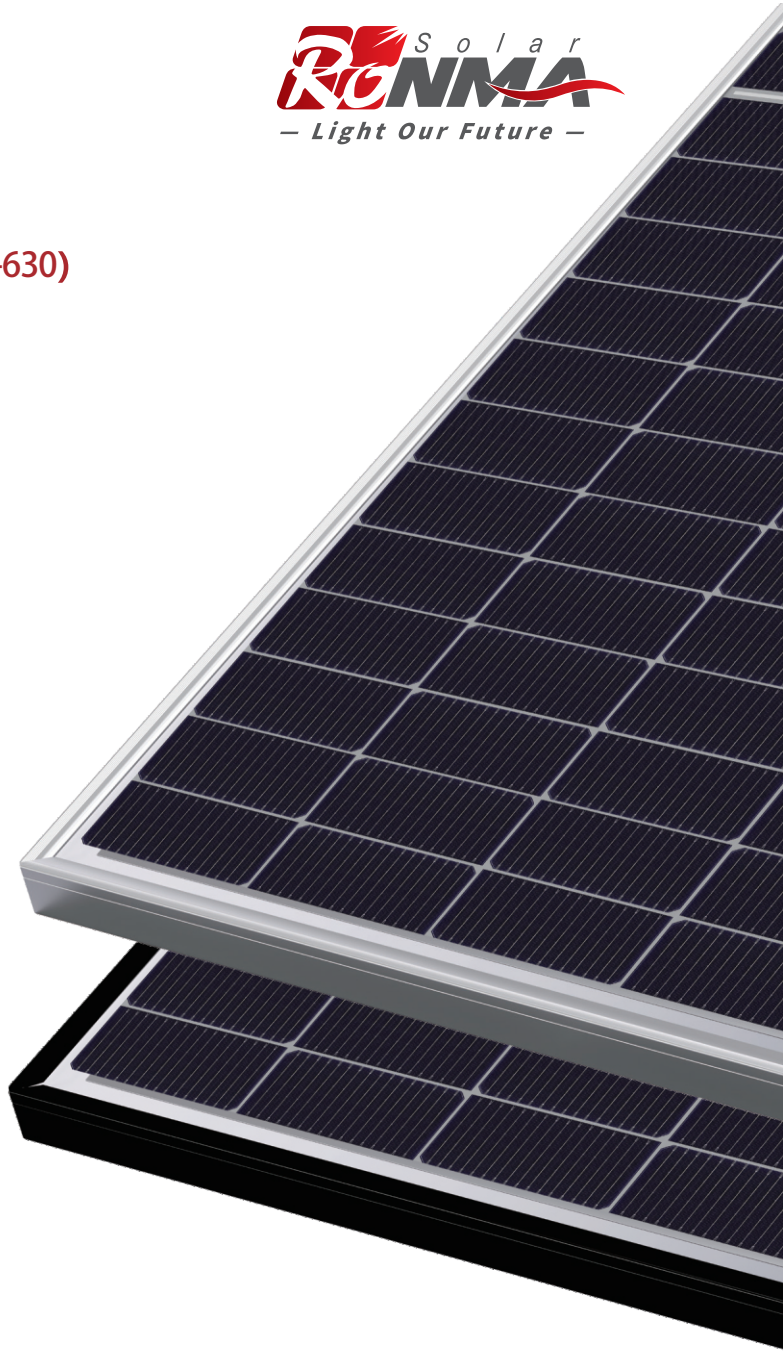
Solar RONMA
— Light Our Future —

SKYMAX series

RM-xxx W-182R/132TB (xxx=600-630)

N-TOPCon
Bifacial Monocrystalline Module

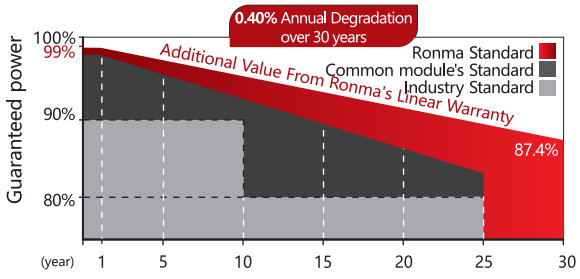
- Suitable for centralised PV generation.
- Warranty Upgrades.
- High efficiencyand strong power generation.
- Safer smart manufacturing.
- No-Destructive Cutting.
- Junction Box Laser Welding Technology.



2382×1134×35/30
Dimensions (mm)

132 CELL	600-630Wp
Mono TOPCon	Power output
1500V DC	**23.32%**
Max. system voltage	Max. efficiency

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



IEC61215:2021/IEC61730:2023/IEC61701:2020/IEC62716:2013

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)

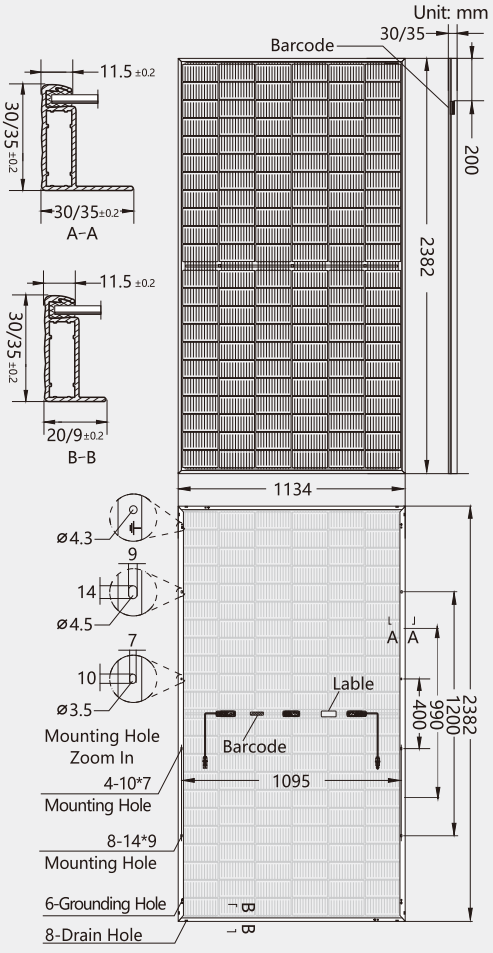
EL Full Inspection
Dual-stage 100% EL Inspection.

SKYMAX series

RM-xxxW-182R/132TB (xxx=600-630)

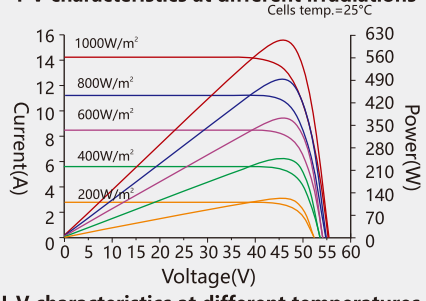
N-TOPCon | Bifacial Monocrystalline Module

Dimensions of PV Module

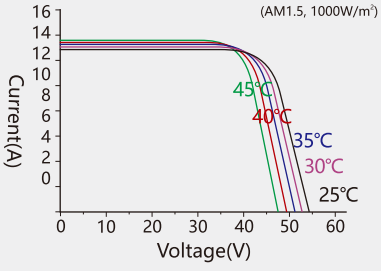


RM-630W-182R/132TB

I-V characteristics at different irradiations



I-V characteristics at different temperatures



ELECTRICAL CHARACTERISTICS (STC*)

Rated Power in Watts-Pmax(Wp)	600	605	610	615	620	625	630
Open Circuit Voltage-Voc(V)	48.40	48.70	49.00	49.30	49.60	49.80	50.30
Short Circuit Current-Isc(A)	15.80	15.83	15.86	15.89	15.91	15.93	15.94
Max. Power Voltage-Vmpp(V)	40.30	40.50	40.80	41.10	41.40	41.60	42.00
Max. Power Current-Impp(A)	14.91	14.94	14.96	14.98	14.99	15.00	15.01
Module Efficiency(%)	22.20	22.40	22.60	22.80	23.00	23.10	23.32
Maximum system voltage	1500V DC						
Fuse Rating(A)	30						
Temperature coefficient Pmax	-0.30%/℃						
Temperature coefficient Isc	0.046%/℃						
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)	663.3	667.8	674.0	679.8	685.2	688.9	695.9
Open Circuit Voltage-Voc(V)	48.60	48.90	49.20	49.50	49.80	49.20	50.50
Short Circuit Current-Isc(A)	17.37	17.40	17.44	17.47	17.50	17.52	17.53
Max. Power Voltage-Vmpp(V)	40.50	40.70	41.00	41.30	41.60	41.80	42.20
Max. Power Current-Impp(A)	16.38	16.41	16.44	16.46	16.47	16.48	16.49
Refer.Bifacial Factor	ϕIsc=80%±10%,ϕVoc=100%±3%,ϕPmax=80%±10%						
Operating Temperature	-40 °C~70°C						
BSI-Short Circuit Current-Isc(A)	19.29	19.32	19.38	19.41	19.43	19.45	19.46

*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	132pcs
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)	2382×1134×35/30
Weight(kg)	33.5
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)	2400×1120×1260	2400×1120×1260
Box Gross Weight (kg)	1050	1225
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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