Quality Maker®
Restarsolar, power the life

GLOBALPROFESSIONAL PVPRODUCTS INTEGRATED SOLUTIONS SUPPLIER



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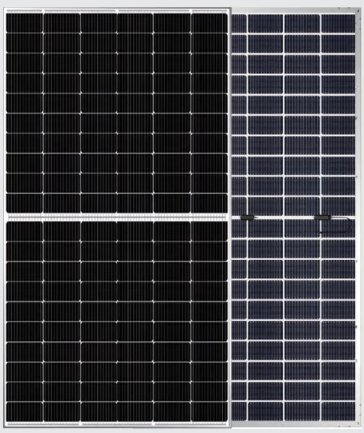
RT8K-M-DG

120 Cells
Mono N-Type/Topcon MBB

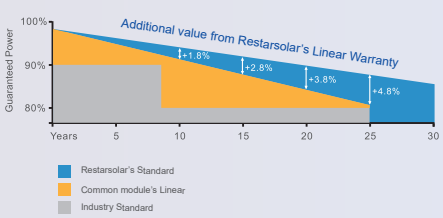
470-495W
Power output

22.94%
The Highest Efficiency

0~+5W
Tolerance



0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty
30 Year Linear Power Warranty

RT8K-M-DG TOPCON

RT8K-M-DG HALF-CELL series is produced with high efficiency multi-busbar cells, which can reduce the module internal power loss to improve its conversion efficiency, as well as lower the failure risk caused by cracks and broken busbar to enhance the module reliability. Combined with half-cell technology, the module is highly resistant to hot-spot crisis caused by shadow effect.

High Reliability
Multi-busbar technology can effectively reduce the reliability risk caused by cells cracks and broken busbar.

Anti-PID Resistance
Prominent anti-PID performance reduces the power degradation, leading to higher energy yield and lower LCOE.

Durability Against Extreme Conditions
Certified to resist high salt mist and ammonia conditions.

High Efficiency
Multi-busbar technology can reduce the module internal power loss to improve the module conversion efficiency significantly.

Low-Light Performance
With high transmittance and anti-reflective 2.0+2.0mm tempered glass,the module has stronger performance under low light circumstances.

High Mechanical Strength
Certified to withstand: high wind load(2400Pa) and snow load(5400Pa).

ISO 9001/14001 TUV PID-FREE CE IEC 61215/61730/61701/62716

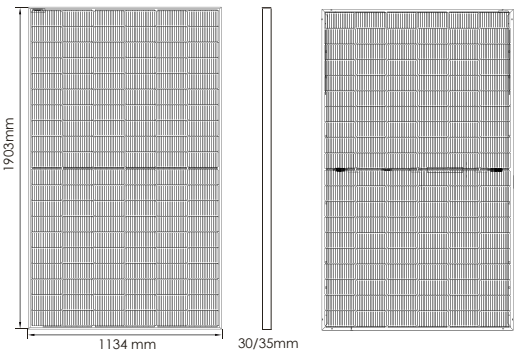
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Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	470	475	480	485	490	495
Open Circuit Voltage-Voc(V)	41.78	41.93	42.08	42.23	42.38	42.53
Short Circuit Current-Isc(A)	14.17	14.25	14.31	14.37	14.43	14.49
Maximum Power Voltage-Vmp(V)	34.49	34.63	34.77	34.91	35.05	35.19
Maximum Power Current-Imp(A)	13.63	13.72	13.79	13.85	13.92	13.99
Module Efficiency	21.78%	22.01%	22.24%	22.47%	22.71%	22.94%

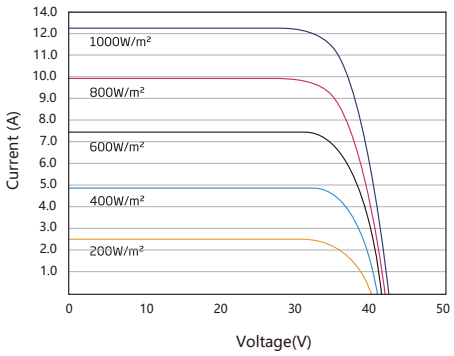
STC: Irradiance 1000 W/m², Cell Temperature 25°C,Air Mass AM1.5 according to EN 60904-3.

ELECTRICAL DATA(NOCT)

Maximum Power-Pmax(Wp)	349	353	357	360	364	368
Open Circuit Voltage-Voc (V)	39.40	39.54	39.68	39.82	39.96	40.11
Short Circuit Current-Isc(A)	11.45	11.51	11.56	11.61	11.66	11.71
Maximum Power Voltage-Vmp(V)	32.32	32.45	32.58	32.71	32.84	32.97
Maximum Power Current-Imp(A)	10.81	10.88	10.95	11.02	11.09	11.15

NOCT: Irradiance at 800 W/m²,Ambient Temperature 20°C, Wind Speed 1m/s.

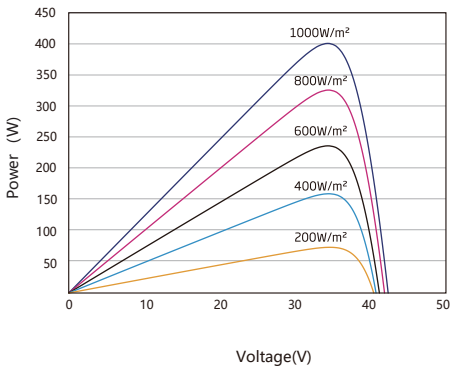
I-V CURVES OF PV MODULE



BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum Power(pmax)	494	499	504	509	515	520
	Module Efficiency STC	22.9%	23.1%	23.4%	23.6%	23.8%	24.1%
10%	Maximum Power(pmax)	541	546	552	558	564	569
	Module Efficiency STC	25.0%	25.3%	25.6%	25.8%	26.1%	26.4%
15%	Maximum Power(pmax)	588	594	600	606	613	619
	Module Efficiency STC	27.2%	27.5%	27.8%	28.1%	28.4%	28.7%

P-V CURVES OF PV MODULE



MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm,9/10/16 Bus bars
Cell configuration	120cells(6*20)
Module dimensions	1903*1134*30mm/35mm
Weight	26.3kg/26.8kg
Front Cover	2.0+2.0mm Tempered Glass
J-BOX	IP68
Cable	4mm²(IEC)/12AWG(UL), 300mm+300mm(or customized)
Connectors	MC4 or MC4 Comparable
Standard Packaging	36/31pcs/pallet

TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.30%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)/1500V(UL)
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

PACKAGING CONFIGURATION

Number of modules per container	864/744 pcs/40HQ
Package	36/31 pcs/pallet
Package Number	24 pallets

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