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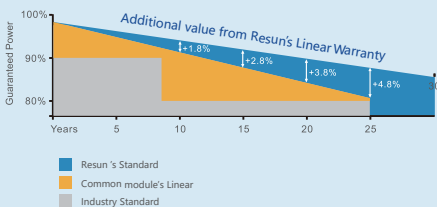
120 Cells
Mono N-type/Topcon 16BB

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

RS8K-M-FB (N-type/Topcon)

RS8K-M-FB 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 3.2mm 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).

Full range of products and certification systems

ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716



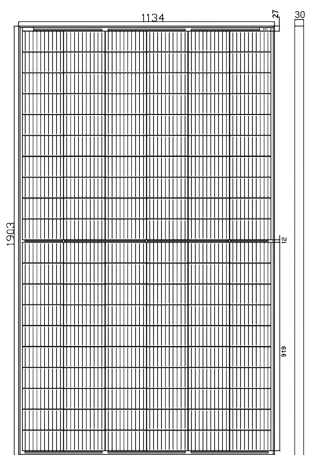
RS8K-M-FB

N-type/Topcon

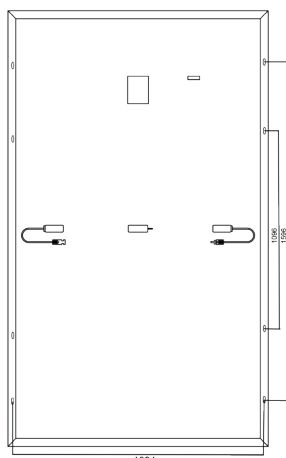


GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm

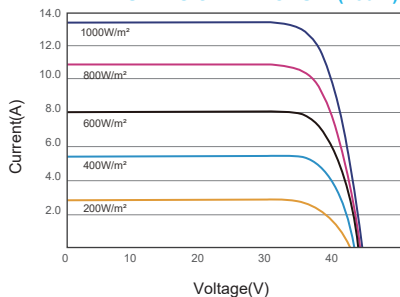


Front Side

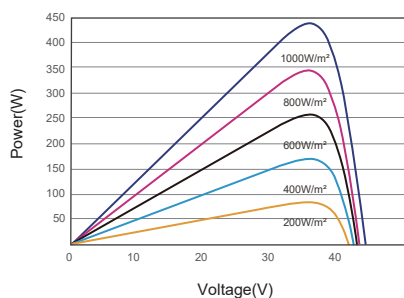


Back

I-V CURVES OF PV MODULE(450W)



P-V CURVES OF PV MODULE(450W)



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 1 m/s.

MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm, 16 Bus bars
Cell configuration	132cells(6*22)
Module dimensions	1903*1134*30mm
Weight	23.6kg
Front Cover	3.2mm Tempered Glass
Frame Material	IP68
J-BOX	4mm ² (IEC)/12AWG(UL), 350mm(+)/450mm(-), or customized
Cable	MC4 or MC4 Comparable
Connectors	36pcs/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	25A
Limiting Reverse Current	25A

PACKING DETAILS

Number of modules per container	864pcs
Package	36pcs/pallet
Package Number	24pallets
Package Dimension	1935*1130*1270mm/pallet

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