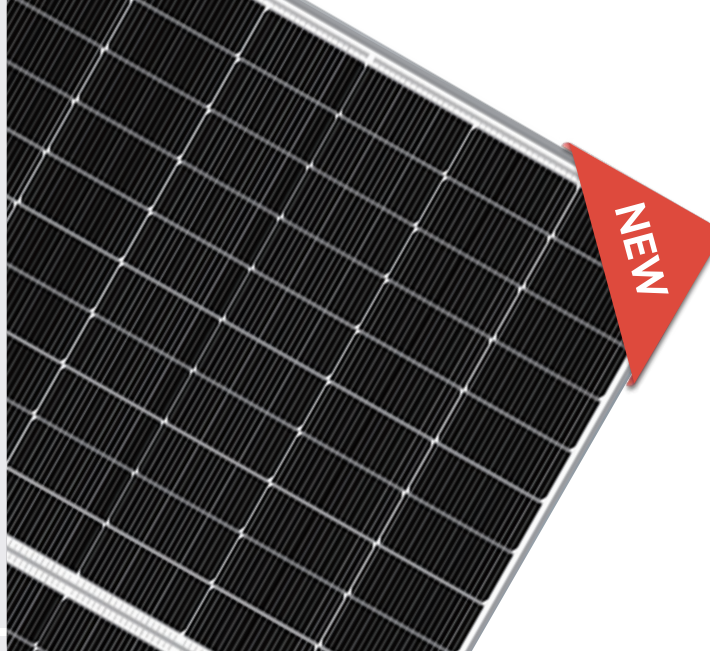
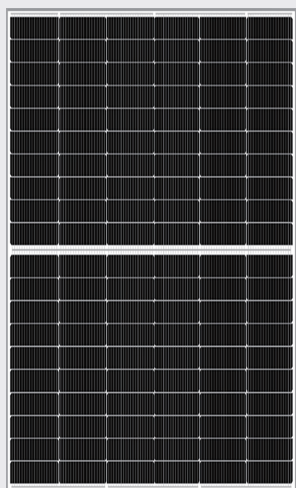




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120 Cells

Mono N-type/Topcon MBB

440-500W

Power Output

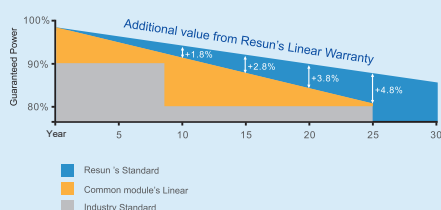
23.17%

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 TOPCON

RS8K-M 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

SMBB 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

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

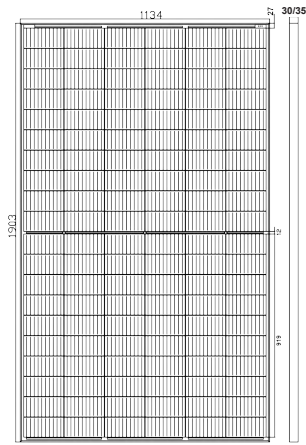


RS8K-M



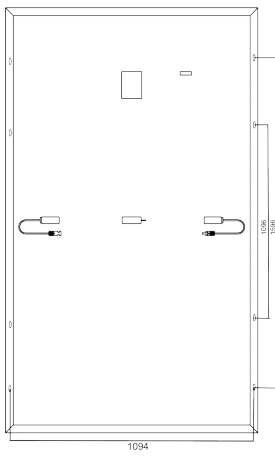
GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



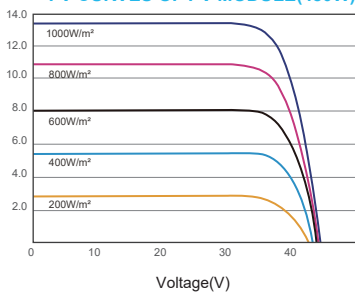
Front

Side

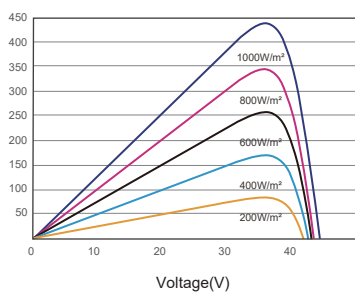


Back

I-V CURVES OF PV MODULE(480W)



P-V CURVES OF PV MODULE(480W)



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	440	445	450	455	460	465	470	475	480	485	490	495	500
Open Circuit Voltage-Voc(V)	41.02	41.10	41.18	41.33	41.48	41.63	41.78	41.93	42.08	42.23	42.38	42.53	42.68
Short Circuit Current-Isc(A)	13.73	13.79	13.85	13.93	14.01	14.09	14.17	14.25	14.31	14.37	14.43	14.49	14.55
Maximum Power Voltage-Vmp(V)	33.72	33.82	33.91	34.06	34.20	34.35	34.49	34.63	34.77	34.91	35.05	35.19	35.33
Maximum Power Current-Imp(A)	13.05	13.16	13.27	13.36	13.45	13.54	13.63	13.72	13.79	13.85	13.92	13.99	14.16
Module Efficiency	20.39%	20.62%	20.85%	21.08%	21.32%	21.55%	21.78%	22.01%	22.24%	22.47%	22.71%	22.94%	23.17%

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)	327	331	335	339	342	345	349	353	357	360	364	368	372
Open Circuit Voltage-Voc (V)	38.72	38.79	38.87	39.01	39.15	39.26	39.40	39.54	39.68	39.82	39.96	40.11	40.25
Short Circuit Current-Isc(A)	11.09	11.14	11.19	11.25	11.32	11.38	11.45	11.51	11.56	11.61	11.66	11.71	11.76
Maximum Power Voltage-Vmp(V)	31.39	31.56	31.73	31.91	32.07	32.19	32.32	32.45	32.58	32.71	32.84	32.97	33.10
Maximum Power Current-Imp(A)	10.43	10.49	10.55	10.61	10.67	10.73	10.81	10.88	10.95	11.02	11.09	11.15	11.24

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

MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm, 9/10/16 Bus bars
Cell configuration	120cells(6*20)
Module dimensions	1903*1134*30/35mm
Weight	23.9/24.8kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Cable	4mm ² (IEC)/12AWG(UL), 300mm+300mm(or customized)
Connectors	MC4 or MC4 Comparable

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

PACKAGING CONFIGURATION

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

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