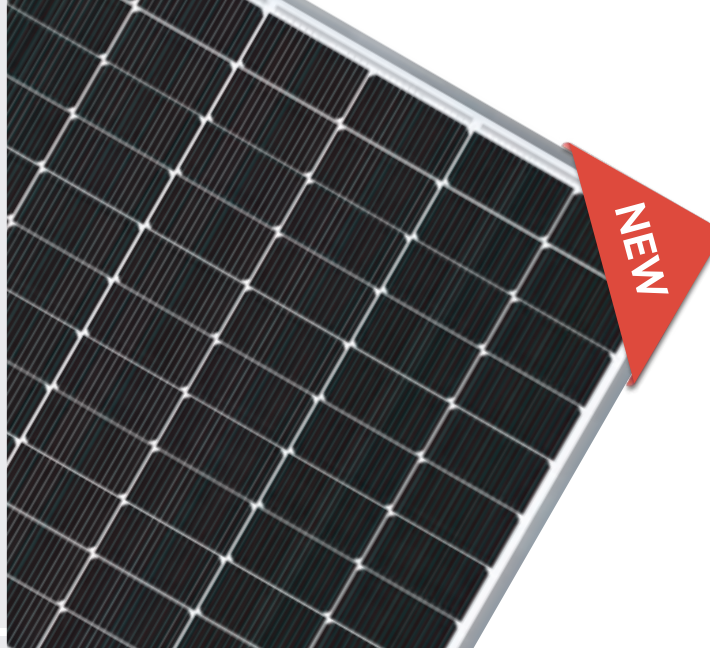
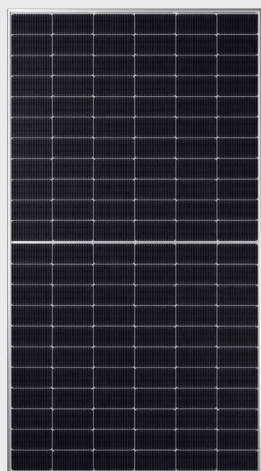




WWW.RESUNSOLAR.COM



132 Cells

Mono N-type/Topcon MBB

480-535W

Power Output

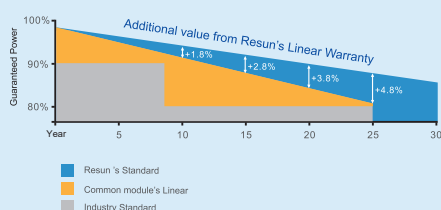
22.53%

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

RS8H-M TOPCON

RS8H-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

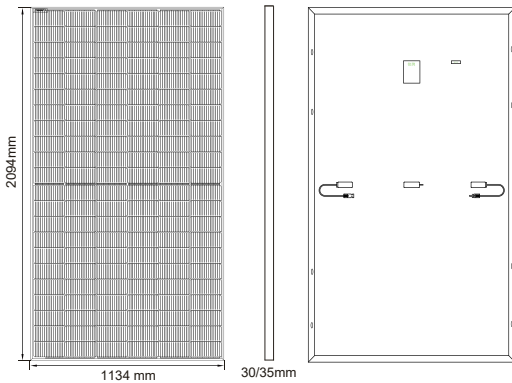


RS8H-M



GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	480	485	490	495	500	505	510	515	520	525	530	535
Open Circuit Voltage-Voc(V)	45.07	45.20	45.33	45.46	45.59	45.72	45.85	45.98	46.11	46.24	46.37	46.50
Short Circuit Current-Isc(A)	13.65	13.72	13.79	13.86	13.93	14.00	14.07	14.14	14.21	14.28	14.35	14.42
Maximum Power Voltage-Vmp(V)	37.62	37.81	37.99	38.17	38.35	38.53	38.71	38.89	39.07	39.24	39.41	39.58
Maximum Power Current-Imp(A)	12.76	12.83	12.90	12.97	13.04	13.11	13.17	13.24	13.31	13.38	13.45	13.52
Module Efficiency	20.21%	20.42%	20.64%	20.85%	21.06%	21.27%	21.48%	21.69%	21.90%	22.11%	22.32%	22.53%

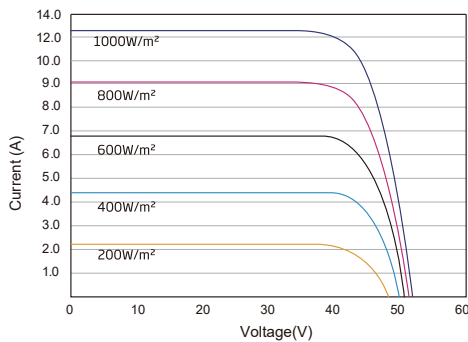
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

ELECTRICAL DATA(NOCT)

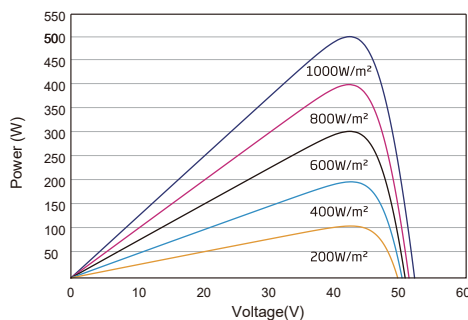
Maximum Power-Pmax(Wp)	363	367	370	374	378	382	386	390	396	400	404	408
Open Circuit Voltage-Voc (V)	42.15	42.30	42.43	42.58	42.72	42.86	42.99	43.13	43.26	43.39	43.53	43.65
Short Circuit Current-Isc(A)	10.99	11.06	11.13	11.20	11.27	11.34	11.41	11.48	11.55	11.62	11.69	11.76
Maximum Power Voltage-Vmp(V)	35.54	35.67	35.76	35.84	35.93	36.02	36.11	36.20	36.37	36.54	36.71	36.88
Maximum Power Current-Imp(A)	10.21	10.28	10.36	10.44	10.52	10.60	10.68	10.77	10.89	10.95	11.01	11.07

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

I-V CURVES OF PV MODULE(520 W)



P-V CURVES OF PV MODULE(520W)



MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm, 9/10/16 Bus bars
Cell configuration	132 cells(6*22)
Module dimensions	2094*1134*30/35mm
Weight	25.0/26.3kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Cable	4mm²(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	792/682 pcs/40HQ
Package	36/31 pcs/pallet
Package Number	22 pallets

Add: No.99 Zhidong Road, Zhixi Town, Jintan District, Changzhou, Jiangsu Province, China
Web: www.resunsolar.com **E-mail:** info@resunsolar.com
Tel: +86 512-66292101 / +86 512-66293858