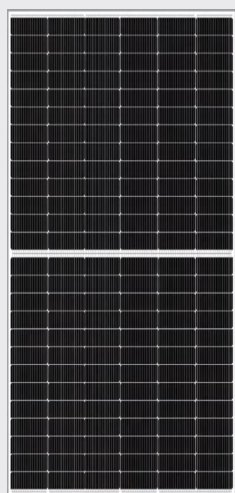




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156 Cells

Mono N-type/Topcon 16 BB

570-630W

Power Output

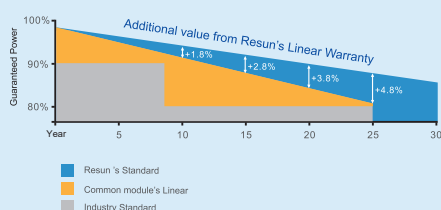
22.54%

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

RS8L-M TOPCON

RS8L-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

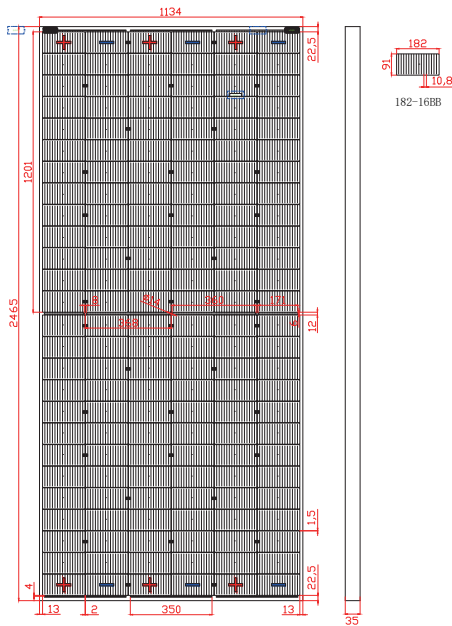


RS8L-M



GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	570	575	580	585	590	595	600	605	610	615	620	625	630
Open Circuit Voltage-Voc(V)	53.30	53.44	53.59	53.73	53.87	55.00	55.15	55.30	55.45	55.50	55.65	55.8	55.95
Short Circuit Current-Isc(A)	13.65	13.72	13.79	13.86	13.93	13.83	13.90	13.96	14.03	14.10	14.16	14.22	14.29
Maximum Power Voltage-Vmp(V)	44.68	44.82	44.97	45.11	45.25	45.70	45.85	46.01	46.15	46.30	46.45	46.61	46.75
Maximum Power Current-Imp(A)	12.76	12.83	12.90	12.97	13.04	13.02	13.09	13.15	13.22	13.29	13.35	13.41	13.48
Module Efficiency	20.39%	20.57%	20.75%	20.93%	21.11%	21.29%	21.46%	21.64%	21.82%	22.00%	22.18%	22.36%	22.54%

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)	430	434	438	442	446	450	454	458	462	466	470	474	478
Open Circuit Voltage-Voc (V)	50.84	50.98	51.12	51.26	51.40	51.54	51.68	51.82	51.96	52.00	52.14	52.28	52.43
Short Circuit Current-Isc(A)	10.89	10.95	11.00	11.06	11.12	11.17	11.23	11.28	11.34	11.39	11.44	11.49	11.55
Maximum Power Voltage-Vmp(V)	42.17	42.31	42.45	42.59	42.73	42.87	43.01	43.16	43.29	43.43	43.57	43.72	43.85
Maximum Power Current-Imp(A)	10.19	10.25	10.31	10.37	10.43	10.49	10.55	10.61	10.67	10.73	10.79	10.84	10.90

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

MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm, 16 Bus bars
Cell configuration	156 cells (6*26)
Module dimensions	2465*1134*35mm
Weight	31.5kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Cable	4mm ² (IEC)/12AWG(UL), 300mm+300mm
Connectors	MC4 or MC4 Comparable

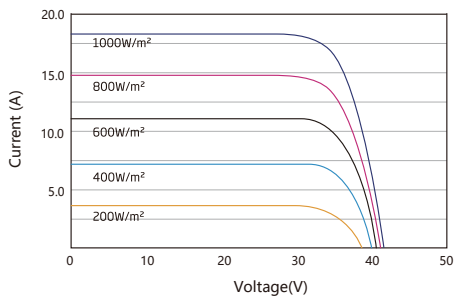
TEMPERATURE & MAXIMUM RATINGS

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

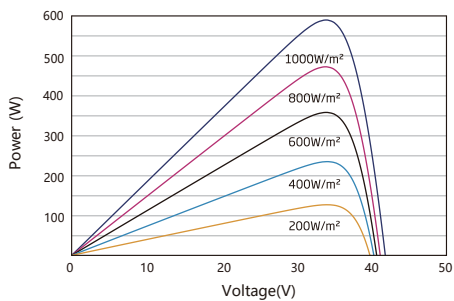
PACKAGING CONFIGURATION

Number of modules per container	592 pcs/40HQ
Package	31 pcs/pallet, 2 pcs/carton box
Package Number	16 pallets+48 carton boxes

I-V CURVES OF PV MODULE



P-V CURVES OF PV MODULE



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