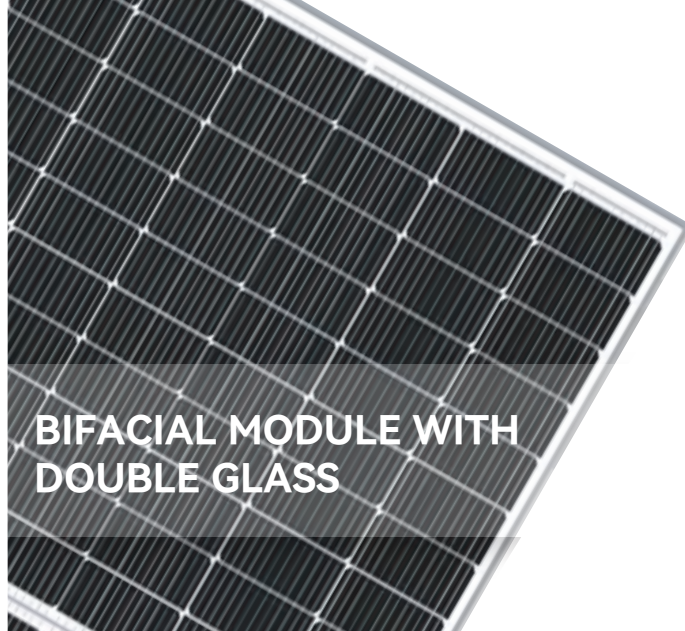
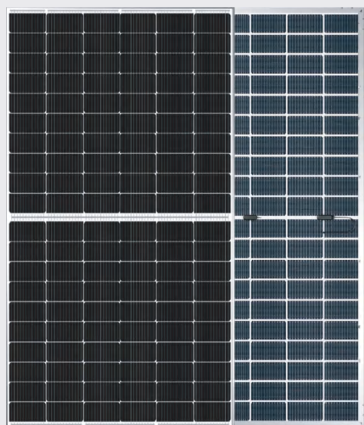




BIFACIAL MODULE WITH DOUBLE GLASS

WWW.RESUNSOLAR.COM



120 Cells

Mono N-type/Topcon MBB

460-485W

Power output

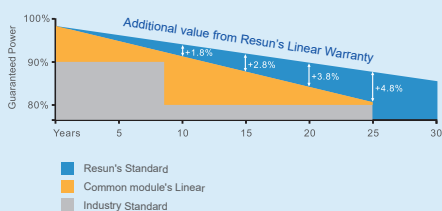
22.47%

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-DG

RS8K-M-DG HALF-CELL series is produced with Topcon high efficiency MBB 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).

Full range of products and certification systems

ISO9001 TUV PID-FREE CEIEC61215/61730/61701/62716

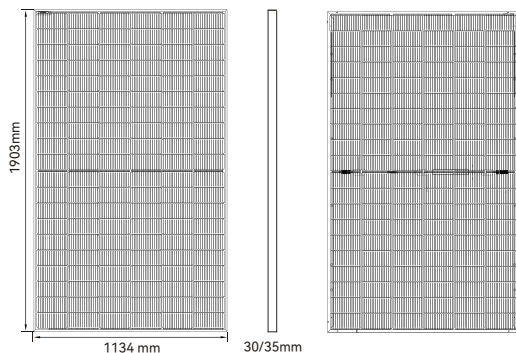


RS8K-M-DG



GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	460	465	470	475	480	485
Open Circuit Voltage-Voc(V)	42.30	42.45	42.60	42.75	42.90	43.05
Short Circuit Current-Isc(A)	13.89	13.98	14.06	14.15	14.23	14.31
Maximum Power Voltage-Vmp(V)	35.15	35.30	35.45	35.60	35.75	35.90
Maximum Power Current-Imp(A)	13.09	13.18	13.26	13.35	13.43	13.51
Module Efficiency	21.32%	21.55%	21.78%	22.01%	22.24%	22.47%

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)	348	352	356	360	364	368
Open Circuit Voltage-Voc (V)	39.64	39.78	39.92	40.06	40.20	40.34
Short Circuit Current-Isc(A)	11.22	11.30	11.36	11.43	11.50	11.56
Maximum Power Voltage-Vmp(V)	32.97	33.11	33.25	33.39	33.53	33.67
Maximum Power Current-Imp(A)	10.55	10.62	10.71	10.78	10.85	10.93

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

INTEGRATED PWER @ STC (REFERENCE TO 10%)

Rated Power in Watts-Pmax(Wp)	506	512	517	523	528	534
Open Circuit Voltage-Voc(V)	42.30	42.45	42.60	42.75	42.90	43.05
Short Circuit Current-Isc(A)	15.28	15.38	15.47	15.57	15.65	15.75
Maximum Power Voltage-Vmp(V)	35.15	35.30	35.45	35.60	35.75	35.90
Maximum Power Current-Imp(A)	14.40	14.50	14.59	14.69	14.77	14.87
Module Efficiency(%)	23.45%	23.73%	23.96%	24.24%	24.47%	24.75%
BNPI/Isc(BSI)	17.22	17.34	17.43	17.55	17.65	17.74

MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm, 9-16 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	4mm ² (IEC)/12AWG(UL), 300mm+300mm
Connectors	MC4 or MC4 Comparable

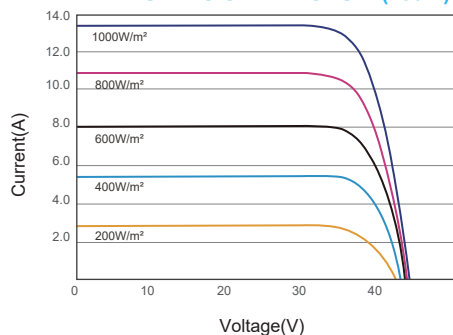
TEMPERATURE & MAXIMUM RATINGS

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	30A
Limiting Reverse Current	30A

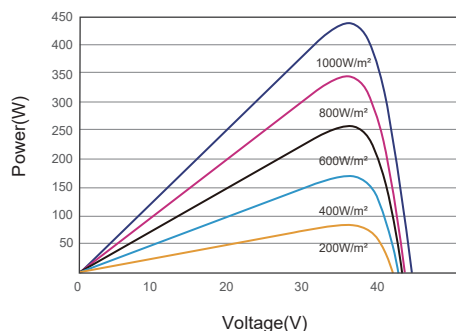
PACKAGING CONFIGURATION

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

I-V CURVES OF PV MODULE(450W)



P-V CURVES OF PV MODULE(450W)



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