

GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

RT9H-M

132 Cells

Mono Half-Cell 10-12BB

645-670 W

Power output

21.57 %

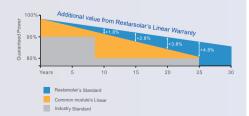
The Highest Efficiency

$0 \sim +5W$

Tolerance



0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty/ 30 year Linear Power Warranty

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RT9H-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 EFFICIENCY

10-12BB

LOWER LCOE



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









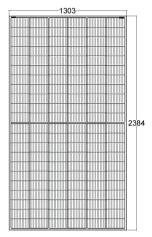




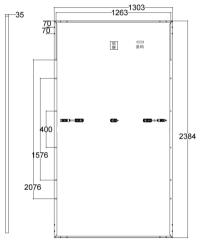




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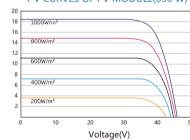


Front View



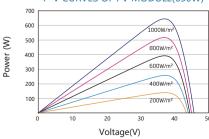
Back View

I-V CURVES OF PV MODULE(650 W)



Current (A)

P-V CURVES OF PV MODULE(650W)



ELECTRICAL DATA(STC)						
Rated Power in Watts-Pmax(Wp)	645W	650W	655W	660W	665W	670W
Open Circuit Voltage-Voc(V)	45.10	45.30	45.50	45.70	45.90	46.10
Short Circuit Current-Isc(A)	18.39	18.44	18.48	18.53	18.57	18.62
Maximum Power Voltage-Vmp(V)	37.20	37.40	37.60	37.80	38.00	38.20
Maximum Power Current-Imp(A)	17.34	17.38	17.42	17.46	17.50	17.54
Module Efficiency(%)	20.76%	20.92%	21.09%	21.25%	21.41%	21.57%

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)	488W	492W	496W	500W	504W	508W
Open Circuit Voltage-Voc(V)	42.5	42.7	42.9	43.0	43.2	43.4
Short Circuit Current-Isc(A)	14.81	14.85	14.88	14.92	14.96	15.01
Maximum Power Voltage-Vmp(V)	34.8	34.9	35.1	35.3	35.4	35.5
Maximum Power Current-Imp(A)	14.05	14.09	14.13	14.17	14.22	14.26

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

MECHANICAL DATA		
Solar Cells	Mono-crystalline 210*105mm,10-12Bus bars	
Cell Configuration	132cells(6*22)	
Module Dimensions	2384*1303*35mm	
Weight	33.6kg	
Front Cover	3.2mm Tempered Glass	
J-Box	IP68,3 diodes	
Cable	4mm ² (IEC)/12AWG(UL),350mm(+)/450mm(-) or customized	
Connectors	MC4 or MC4 Comparable	

TEMPERATURE & MAXIMUM RATINGS	
Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Temperature Coefficient of Voc	- 0.26%/°C
Temperature Coefficient of Isc	0.05%/℃
Temperature Coefficient of Pmax	- 0.35%/°C
Operational Temperature	- 40~+85°C
Maximum System Voltage	1500V(IEC)/1500V(UL)
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

PACKING DETAILS			
Loading Capacity	558pcs/40HQ		
Packing Manner	31pcs/pallet		
Package Number	18pallets		