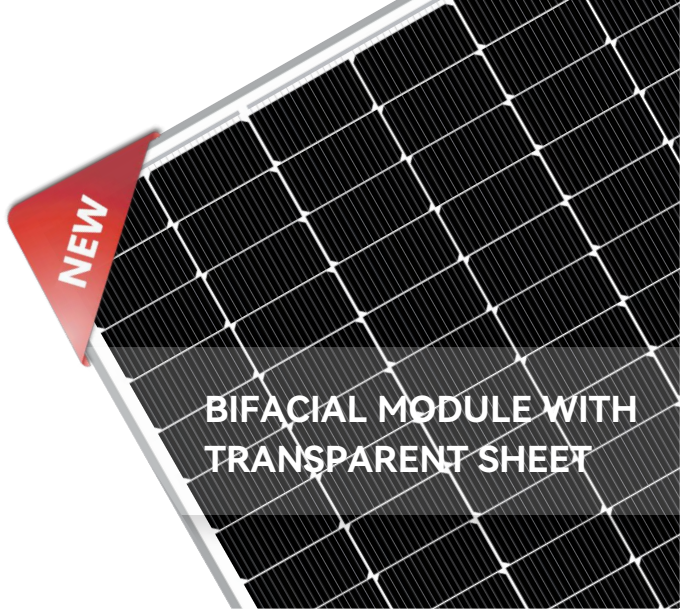
Quality Maker®
Restarsolar, power the life

GLOBALPROFESSIONAL PVPRODUCTS INTEGRATED SOLUTIONS SUPPLIER



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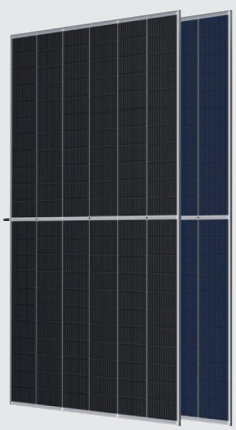
RT9H-M-BD

132 Cells
Bifacial Mono 10/12BB

660-670W
Power output

21.57%
The Highest Efficiency

0~+5W
Tolerance



RT9H-M-BD

RS9H-M-BD 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 wel l 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.

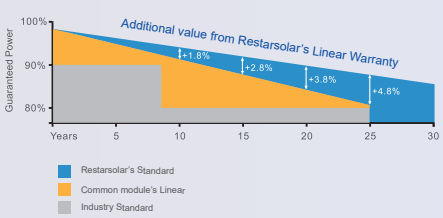
Durability Against Extreme Conditions
Certified to resist high salt mist and ammonia conditions.

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 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).

0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY

15 **Year Product Warranty**

30 **Year Linear Power Warranty**

Full range of products and certification systems

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

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RT9H-M-BD

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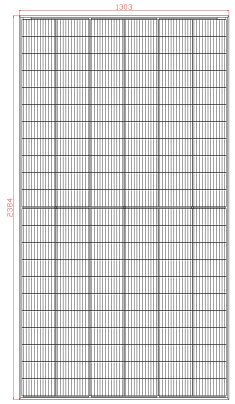
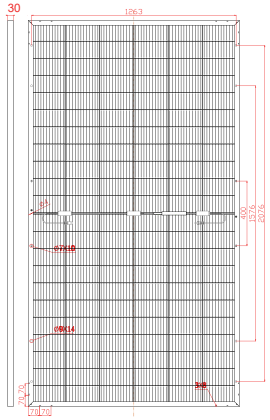
Dimension of PV Modules Unit: mm

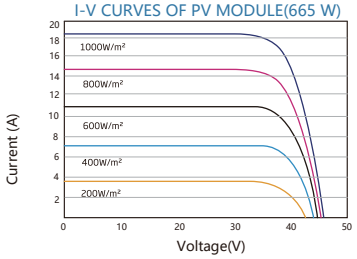


Front View

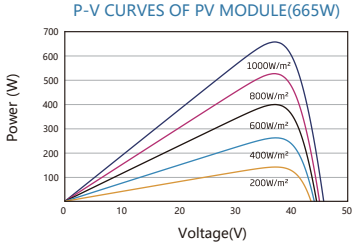


Back View

I-V CURVES OF PV MODULE(665 W)



P-V CURVES OF PV MODULE(665W)



Add: No: 30 Yongshun Road, Zhulin Town, Jintan District, Changzhou, Jiangsu Province, China
Tel: +86 512-66292101
E-mail: sales@restarsolar.com
Web: www.restarsolar.com

ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	660W	665W	670W
Open Circuit Voltage-Voc(V)	45.70	45.90	46.10
Short Circuit Current-Isc(A)	18.53	18.57	18.62
Maximum Power Voltage-Vmp(V)	37.80	38.00	38.20
Maximum Power Current-Imp(A)	17.46	17.50	17.54
Module Efficiency(%)	21.3%	21.4%	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)	500	504	508
Open Circuit Voltage-Voc (V)	43.00	43.20	43.40
Short Circuit Current-Isc(A)	14.92	14.96	15.00
Maximum Power Voltage-Vmp(V)	35.30	35.40	35.50
Maximum Power Current-Imp(A)	14.17	14.22	14.26

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

BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum Power(pmax)	693W	698W	704W
	Module Efficiency STC(%)	22.31%	22.48%	22.65%
15%	Maximum Power(pmax)	759W	765W	771W
	Module Efficiency STC(%)	24.43%	24.62%	24.80%
25%	Maximum Power(pmax)	825W	831W	838W
	Module Efficiency STC(%)	26.56%	26.76%	26.96%

MECHANICAL DATA

Solar Cells	Bifacial Mono-crystalline 210*105mm,10/12 Bus bars
Cell Configuration	132cells(6*22)
Module Dimensions	2384*1303*30mm
Weight	32.3kg
Front Cover	3.2mm Tempered Glass
J-Box	IP68
Cable	4mm²(IEC)/12AWG(UL),300mm+300mm or customized
Connectors	MC4 or MC4 Comparable
Standard Packaging	36pcs/pallet

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%/C
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

PACKAGING CONFIGURATION

	40HQ
Number of modules per container	648pcs
Package	36pcs/pallet
Package Number	18pallets