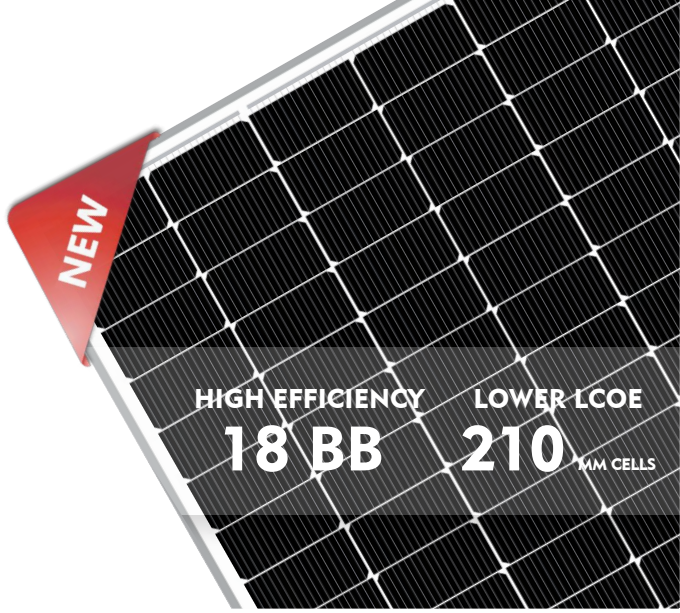
Quality Maker®
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GLOBALPROFESSIONAL PVPRODUCTS INTEGRATED SOLUTIONS SUPPLIER



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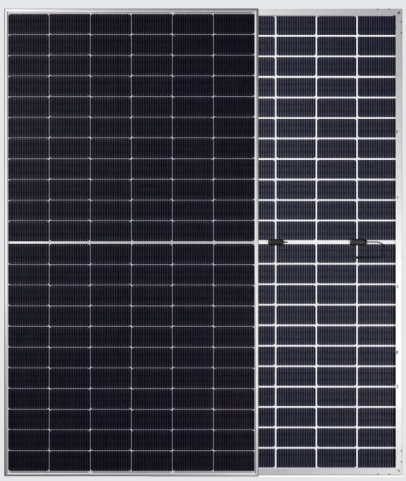
RT9H-M-BD

132 Cells
Mono Topcon 18BB

700-720W
Power output

23.18%
The Highest Efficiency

0~+5W
Tolerance



RT9H-M-BD TOPCON BIFACIAL

RT9H-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.

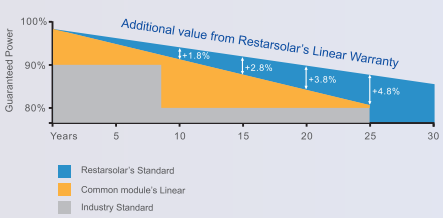
Durability Against Extreme Conditions
Certified to resist high salt mist and ammonia conditions.

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

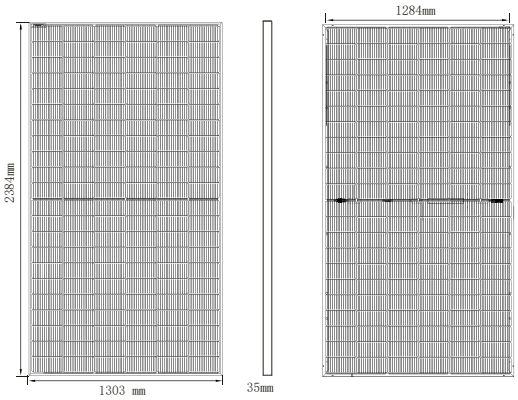
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RT9H-M-BD

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Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	700	705	710	715	720
Open Circuit Voltage-Voc(V)	48.60	48.80	49.00	49.20	49.40
Short Circuit Current-Isc(A)	18.32	18.36	18.40	18.44	18.49
Maximum Power Voltage-Vmp(V)	40.50	40.70	40.90	41.10	41.30
Maximum Power Current-Imp(A)	17.29	17.33	17.36	17.40	17.44
Module Efficiency	22.53%	22.70%	22.86%	23.02%	23.18%

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

ELECTRICAL DATA(NOCT)

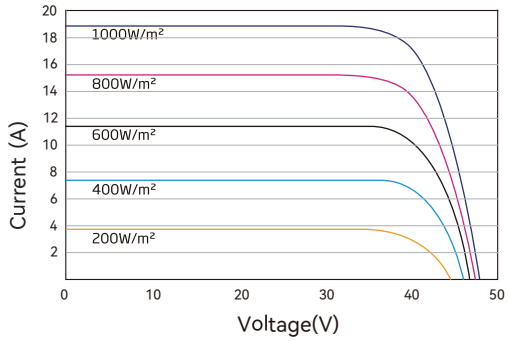
Maximum Power-Pmax(Wp)	534	538	542	546	550
Open Circuit Voltage-Voc (V)	45.93	46.12	46.31	46.49	46.68
Short Circuit Current-Isc(A)	14.80	14.83	14.87	14.90	14.94
Maximum Power Voltage-Vmp(V)	38.07	38.26	38.45	38.63	38.82
Maximum Power Current-Imp(A)	14.03	14.06	14.10	14.13	14.17

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

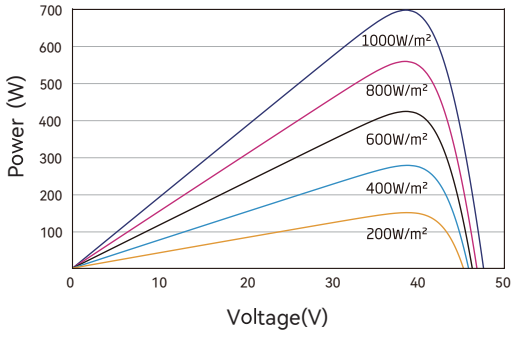
INEGRATED PWER @ STC (REFRENCE TO 10%)

Maximum Power-Pmax(Wp)	770	775	781	786	792
Open Circuit Voltage-Voc (V)	48.60	48.80	49.00	49.20	49.40
Short Circuit Current-Isc(A)	20.15	20.18	20.23	20.26	20.31
Maximum Power Voltage-Vmp(V)	40.50	40.70	40.90	41.10	41.30
Maximum Power Current-Imp(A)	19.01	19.04	19.10	19.12	19.18
Module Efficiency	28.48%	28.67%	28.89%	29.07%	29.30%
BNPI/Isc(BSI)	22.72	22.77	22.82	22.87	22.93

I-V CURVES OF PV MODULE 700W



P-V CURVES OF PV MODULE 700W



MECHANICAL DATA

Solar Cells	Mono N-Type/Topcon half-cut Cells 210*105mm,18 Bus 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	4mm²(IEC)/12AWG(UL),300mm+300mm or customized length
Connectors	MC4 or MC4 Compatible

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

pcs/container	558pcs/40HQ
Package	31pcs/pallet
Package Number	18pallets

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