

# RT7V-M

**108 Cells**

Mono-crystalline 9BB

**300-325W**

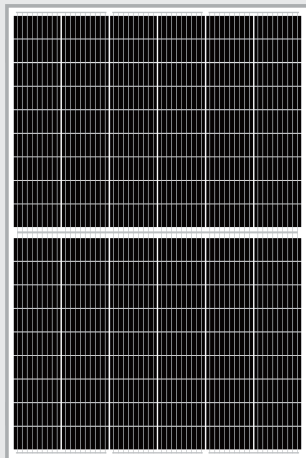
Power output

**19.69%**

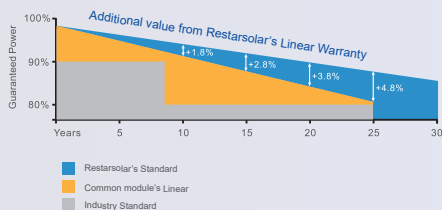
The Highest Efficiency

**0~+5W**

Tolerance



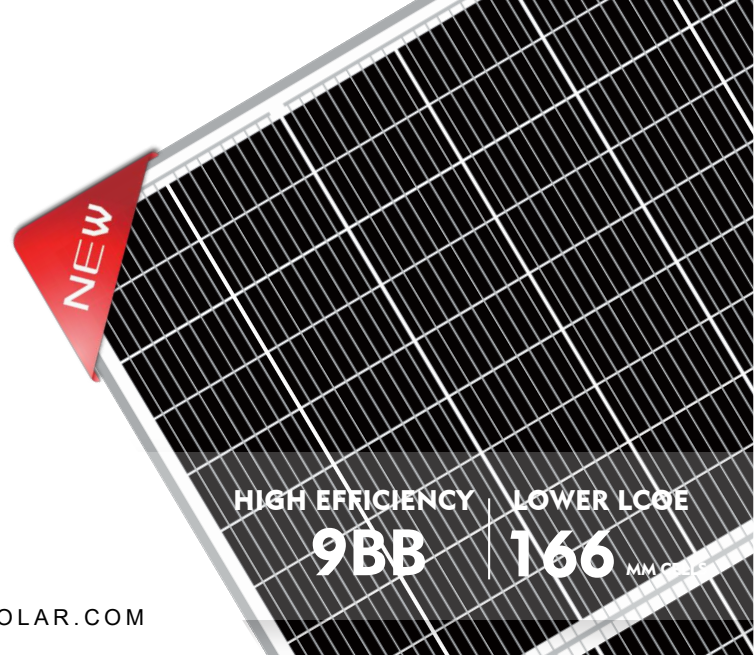
## 0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY

**15 Year Product Warranty**

**30 Year Linear Power Warranty**



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**RT7V-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

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).

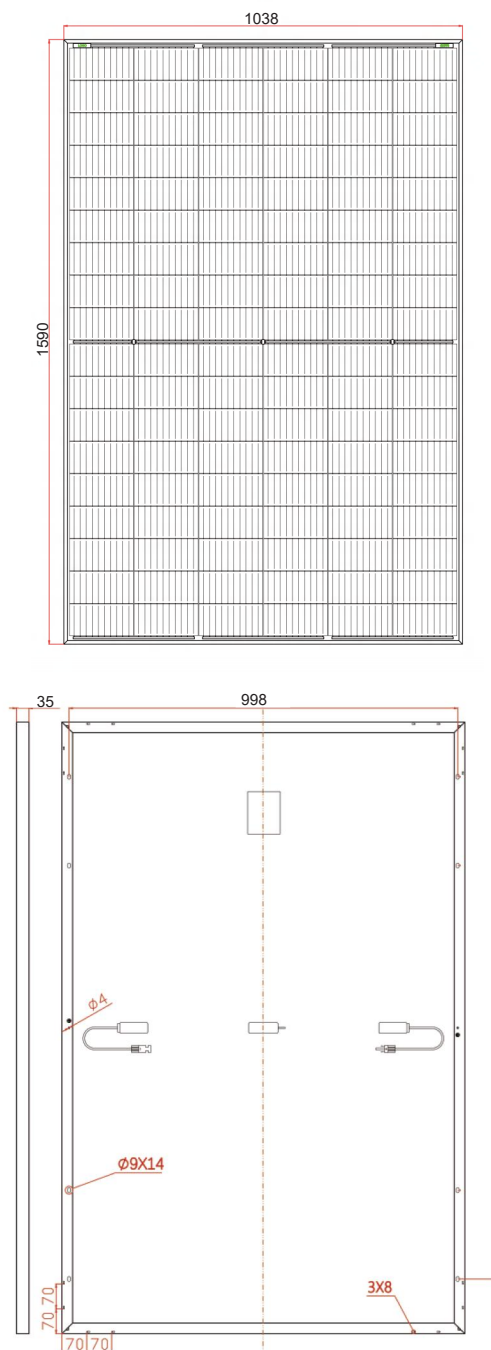
## Full range of products and certification systems

ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716



CERTIFIED

Dimension of PV Modules Unit: mm



## ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	300W	305W	310W	315W	320W	325W
Open Circuit Voltage-Voc(V)	35.70	35.90	36.10	36.30	36.50	36.70
Short Circuit Current-Isc(A)	10.88	10.98	11.06	11.15	11.24	11.32
Maximum Power Voltage-Vmp(V)	29.80	30.00	30.19	30.38	30.57	30.78
Maximum Power Current-Imp(A)	10.07	10.17	10.27	10.37	10.47	10.56
Module Efficiency(%)	18.18%	18.48%	18.78%	19.09%	19.39%	19.69%

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)	223.8	227.5	231.3	235.0	238.7	242.5
Open Circuit Voltage-Voc (V)	33.45	33.64	33.83	34.01	34.20	34.39
Short Circuit Current-Isc(A)	8.79	8.87	8.94	9.01	9.08	9.15
Maximum Power Voltage-Vmp(V)	27.75	27.93	28.11	28.29	28.46	28.66
Maximum Power Current-Imp(A)	8.07	8.15	8.23	8.31	8.39	8.46

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

## MECHANICAL DATA

Solar Cells	Mono-crystalline 166*83mm, 9 Bus bars
Cell Configuration	108cells(6*18)
Module Dimensions	1590*1038*35mm
Weight	17.3kg
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	31pcs/pallet

## TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)/1500V(UL)
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

## PACKAGING CONFIGURATION

	40HQ
Number of modules per container	924pcs
Package	31 pcs/pallet, 2 pcs/carton box
Package Number	28 pallets + 28 carton boxes
Package Weight	562kg/pallet
Package Dimension	1620*1130*1170mm/pallet