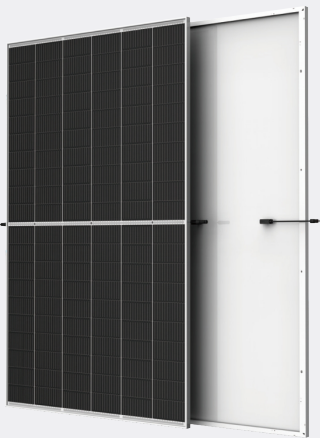


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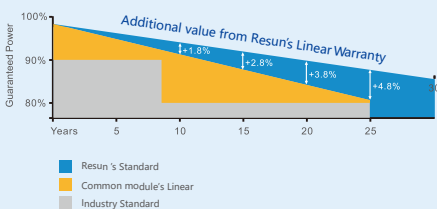
**120 Cells**  
Mono-crystalline 12BB

**605-610W**  
Power output

**21.55%**  
The Highest Efficiency

**0~ +5W**  
Tolerance

**0.5% Annual Degradation**  
**over 30 years**



**LINEAR PERFORMANCE WARRANTY**  
12 year Product Warranty / 30 year Linear Power Warranty

## RS9K-M

**RS9K-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

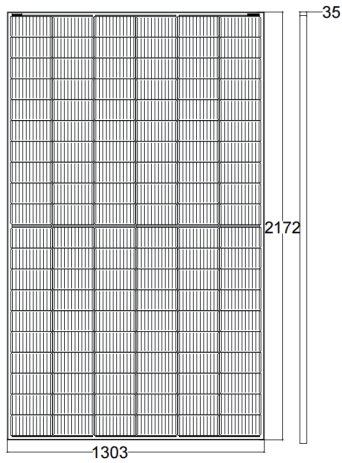


# RS9K-M

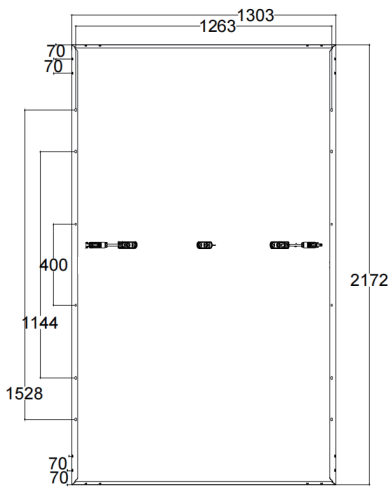


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Dimension of PV Modules Unit: mm

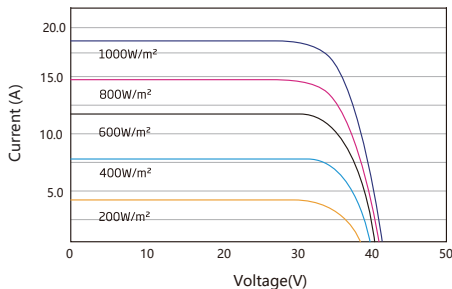


Front View

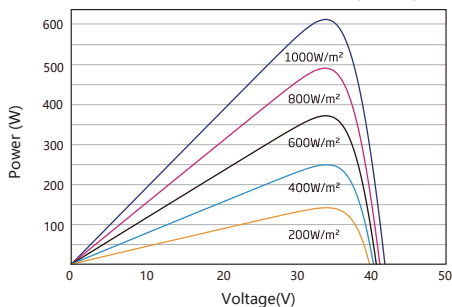


Back View

I-V CURVES OF PV MODULE(605 W)



P-V CURVES OF PV MODULE(605W)



## ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	605W	610W
Open Circuit Voltage-Voc(V)	41.70	41.90
Short Circuit Current-Isc(A)	18.57	18.62
Maximum Power Voltage-Vmp(V)	34.60	34.80
Maximum Power Current-Imp(A)	17.49	17.53
Module Efficiency (%)	21.38%	21.55%

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

## ELECTRICAL DATA(NOCT)

Maximum Power-Pmax (Wp)	458W	462W
Open Circuit Voltage-Voc (V)	39.30	39.50
Short Circuit Current-Isc (A)	14.96	15.00
Maximum Power Voltage-Vmp(V)	32.2	32.40
Maximum Power Current-Imp(A)	14.22	14.26

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

## MECHANICAL DATA

Solar cells	Mono-crystalline 210*105mm,12Bus
Cell configuration	120cells(6*20)
Module dimensions	2172*1303*35mm
Weight	30.9kg
Front Cover	3.2mm Tempered Glass
Frame Material	IP68
J-BOX	4mm <sup>2</sup> (IEC)/12AWG(UL),350mm(+)/450mm(-), or customized
Cable	MC4 or MC4 Comparable
Connectors	31pcs/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
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

## PACKING DETAILS

Number of modules per container	558pcs
Package	31pcs/pallet
Package Number	18pallets
Package Weight	978kg/pallet
Package Dimension	1325*1130*2310mm/pallet

A: Room 606, No.13, Yongshang Garden, Jingfeng Road, Mudu Town, Wuzhong District, Suzhou, Jiangsu Province, China

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