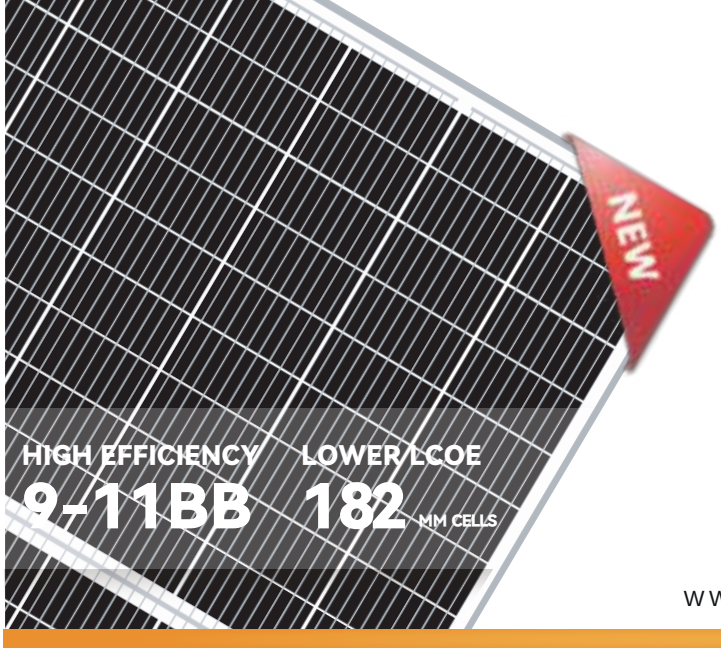
RESUN

RESUN SOLAR POWER CO.,LTD.



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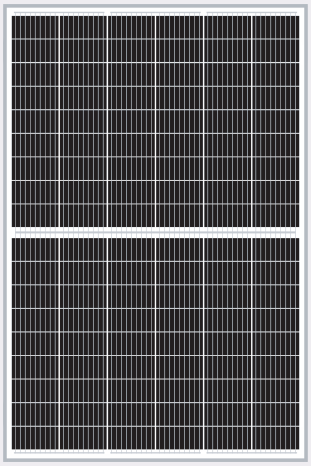


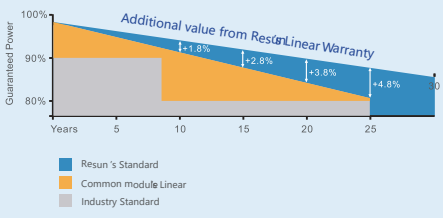
108 Cells
Mono-crystalline 9-12BB

430W
Power output

22.02%
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

RS8V-M

RS8V-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 PIO 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
CONVERSION

Multi-busbar technology can reduce the module internal power loss to improve the module conversion efficiency significantly.

Low-Light Performance
LOW LIGHT

With high transmittance and anti-reflective 3.2mm tempered glass,the module has stronger performance under low light circumstances.

High Mechanical Strength
2400 Pa
5400 Pa

Certified to withstand: high wind load(2400Pa) and snow load(5400Pa).

Full range of products and certification systems

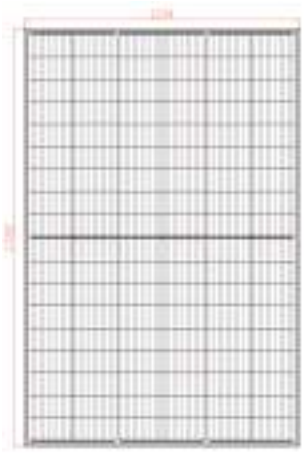
ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716

RS8V-M

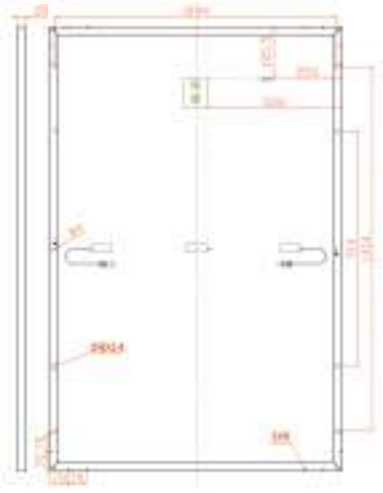
RESUN
RESUN SOLAR POWER CO.,LTD.

GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm

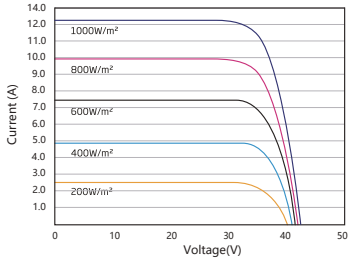


Front View

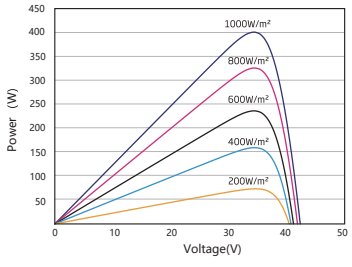


Back View

I-V CURVES OF PV MODULE(400 W)



P-V CURVES OF PV MODULE(400W)



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	430
Open Circuit Voltage-Voc(V)	37.84
Short Circuit Current-Isc(A)	14.27
Maximum Power Voltage-Vmp(V)	32.09
Maximum Power Current-Imp(A)	13.40
Module Efficiency (%)	22.02%

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)	326
Open Circuit Voltage-Voc (V)	35.79
Short Circuit Current-Isc (A)	11.43
Maximum Power Voltage-Vmp(V)	30.49
Maximum Power Current-Imp(A)	10.69

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

MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm,9-12 Bus bars
Cell configuration	108cells(6*18)
Module dimensions	1722*1134*30mm.
Weight	21.5kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68,3 diodes
Cable	4mm²(IEC)/12AWG(UL),300mm(+)/300mm(-)(or customized)
Connectors	MC4 or MC4 Com
Standard Packaging	36 pcs/pallet

TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	45℃±2℃
Temperature Coefficient of Voc	- 0.32%/℃
Temperature Coefficient of Isc	0.05%/℃
Temperature Coefficient of Pmax	- 0.35%/℃
Operational Temperature	- 40~+85℃
Maximum System Voltage	1500V(IEC)/1500V
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

PACKAGING CONFIGURATION

Number of modules per container	936pcs
Package	36 pcs/pallet
Package Number	26pallets

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