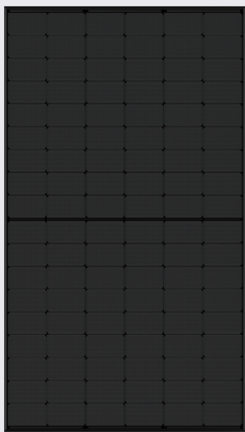


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108 Cells

N-TYPE/TOPCON Mono-crystalline Multi-busbar

420-435W

Power output

22.28%

The Highest Efficiency

0~+5W

Tolerance

RS8V-M FULL BLACK (N-TYPE/TOPCON)

RS8V-M FULL BLACK N-TYPE/TOPCON 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

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).



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

30 Year Linear Power Warranty

Full range of products and certification systems

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



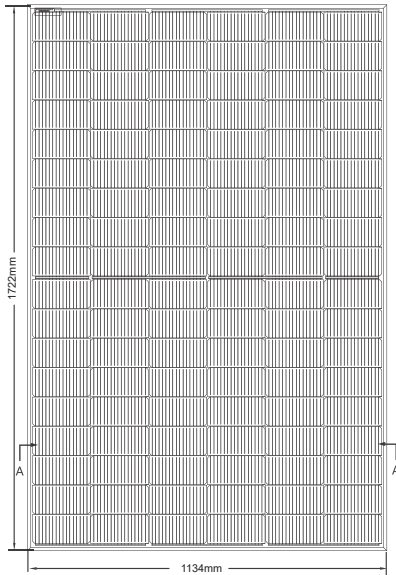
RS8V-M FULL BLACK

N-TYPE/TOPCON

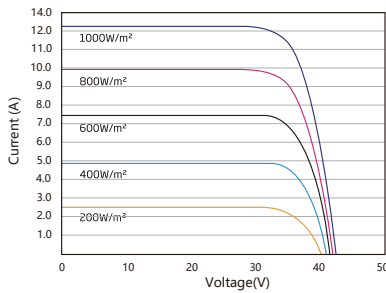


GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

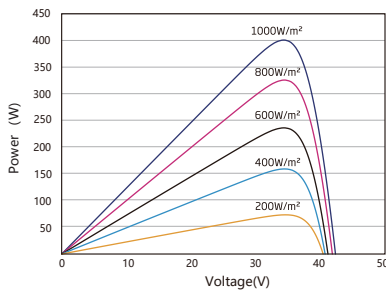
Dimension of PV Modules Unit: mm



I-V CURVES OF PV MODULE(430W)



P-V CURVES OF PV MODULE(430W)



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	420W	425W	430W	435W
Open Circuit Voltage-Voc(V)	37.58	37.71	37.84	37.97
Short Circuit Current-Isc(A)	14.11	14.19	14.27	14.35
Maximum Power Voltage-Vmp(V)	31.78	31.94	32.09	32.25
Maximum Power Current-Imp(A)	13.22	13.31	13.40	13.49
Module Efficiency (%)	21.51%	21.76%	22.02%	22.28%

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)	318W	322W	326W	330W
Open Circuit Voltage-Voc (V)	35.51	35.65	35.79	35.93
Short Circuit Current-Isc (A)	11.29	11.36	11.43	11.49
Maximum Power Voltage-Vmp(V)	30.11	30.32	30.49	30.66
Maximum Power Current-Imp(A)	10.56	10.62	10.69	10.76

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

MECHANICAL DATA

Solar cells	N-type / TOPCON Mono-crystalline 182*91mm,multi-busbar cells
Cell configuration	108cells(6*18)
Module dimensions	1722*1134*30mm/35mm
Weight	21.5kg/22kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Frame	Silver/black
Back sheet	White/black/Transparent
Cable	4mm ² (IEC)/12AWG(UL),300mm/400mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	36/31pcs/pallet

TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	42°C±2°C
Temperature Coefficient of Voc	- 0.30%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	- 0.25%/°C
Operational Temperature	- 40~+85°C
Maximum System Voltage	1500V(IEC)/1500V
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

PACKAGING CONFIGURATION

	40HQ
Modules per container	936pcs/806pcs
Package	36/31pcs/pallet
Package Number	26pallets/26pallets

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