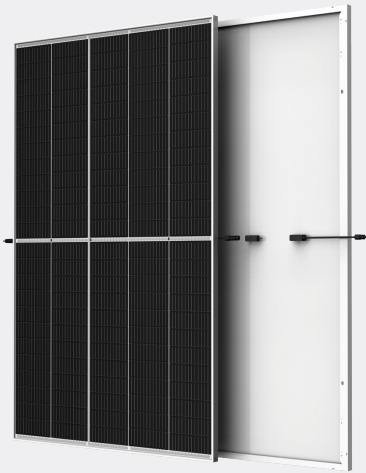


HIGH EFFICIENCY | LOWER LCOE
10-12BB | **210** MM CELLS

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RS9Y-M

RS9Y-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 module conversion efficiency (up to 21.59%), through superior manufacturing technology



Guaranteed 0~+5W positive power output tolerance ensures high reliability



Anti-reflective, hydrophobic coating improves light absorption and reduces surface dust



Excellent performance under low light environments (mornings, evenings and cloudy days)



Suitable for harsh environments, such as coasts, deserts and lakes. Withstand high level of wind loads (2400pa) and snow loads (5400pa)

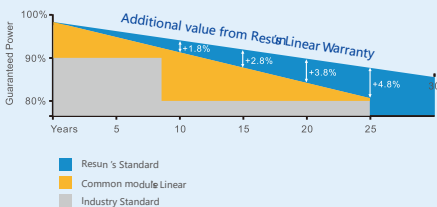
120 Cells
 Mono Half-Cell 10-12BB

400-415W
 Power output

21.59%
 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

Full range of products and certification systems

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

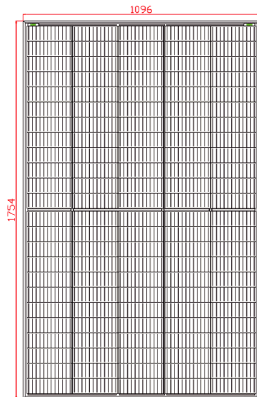


RS9Y-M

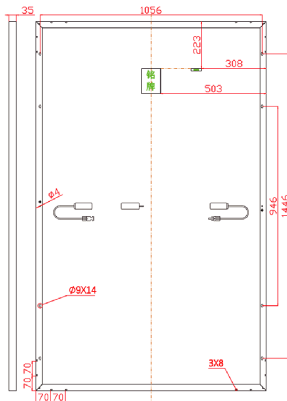


GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm

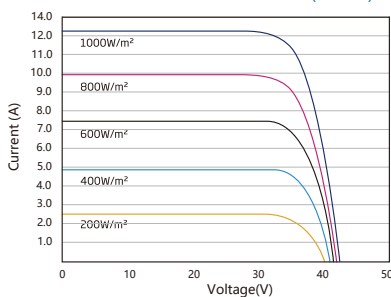


Front View

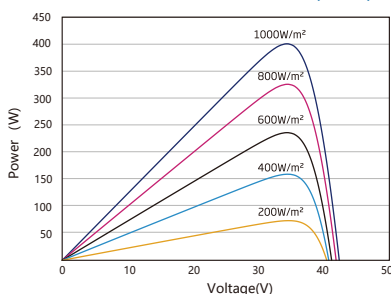


Back View

I-V CURVES OF PV MODULE(400W)



P-V CURVES OF PV MODULE(400W)



ELECTRICAL DATA(STC)

	400W	405W	410W	415W
Rated Power in Watts-Pmax(Wp)	400W	405W	410W	415W
Open Circuit Voltage-Voc(V)	41.20	41.40	41.60	41.80
Short Circuit Current-Isc(A)	12.28	12.34	12.41	12.48
Maximum Power Voltage-Vmp(V)	34.20	34.40	34.60	34.80
Maximum Power Current-Imp(A)	11.70	11.77	11.85	11.93
Module Efficiency (%)	20.81%	21.07%	21.33%	21.59%

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

ELECTRICAL DATA(NOCT)

	302W	306W	310W	314W
Maximum Power-Pmax (Wp)	302W	306W	310W	314W
Open Circuit Voltage-Voc (V)	38.80	38.90	39.10	39.30
Short Circuit Current-Isc (A)	9.90	9.95	10.01	10.06
Maximum Power Voltage-Vmp(V)	32.20	32.50	32.70	32.90
Maximum Power Current-Imp(A)	9.38	9.41	9.47	9.54

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

MECHANICAL DATA

Solar cells	Mono-crystalline 210*70mm,10-12Bus bars
Cell configuration	120cells(5*24)
Module dimensions	1754*1096*30/35mm
Weight	21kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Cable	4mm ² (IEC)/12AWG(UL),300mm / 400mm, or customized
Connectors	MC4 or MC4 Comparable
Standard Packaging	36/31 pcs/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(UL)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

Number of modules per container	936/806pcs
Package	36/31pcs/pallet
Package Number	26pallets
Package Weight	781/692kg/pallet