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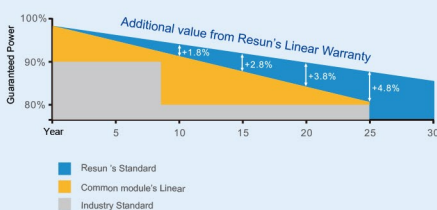
**144 Cells**  
Mono-crystalline 10BB

**535-560W**  
Power output

**21.66%**  
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

## RS81-M HC

RS81-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-PIPO 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

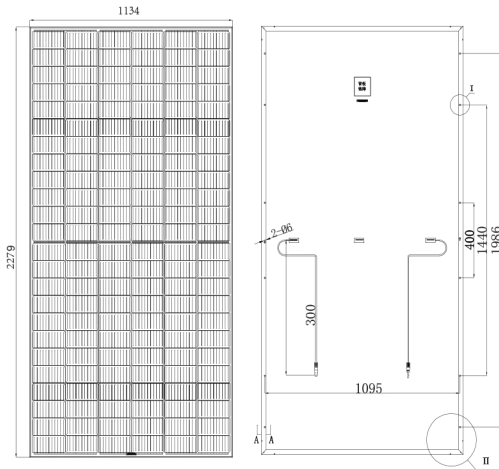


# RS8I-M HC



GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



## ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	535W	540W	545W	550W	555W	560W
Open Circuit Voltage-Voc(V)	49.60V	49.80V	50.00V	50.02V	50.40V	50.60V
Short Circuit Current-Isc(A)	13.69A	13.75A	13.81A	13.87A	13.93A	13.99A
Maximum Power Voltage-Vmp(V)	41.40V	41.60V	41.80V	42.00V	42.20V	42.40V
Maximum Power Current-Imp(A)	12.93A	12.99A	13.04A	13.10A	13.16A	13.21A
Module Efficiency(%)	20.69%	20.89%	21.08%	21.27%	21.47%	21.66%

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

## ELECTRICAL DATA(NOCT)

Rated Power in Watts-Pmax(Wp)	405W	408W	412W	416W	420W	424W
Open Circuit Voltage-Voc(V)	47.40V	47.60V	47.80V	48.0V	48.20V	48.40V
Short Circuit Current-Isc(A)	11.04A	11.09A	11.13A	11.18A	11.23A	11.28A
Maximum Power Voltage-Vmp(V)	38.80V	39.00V	39.20V	39.40V	39.60V	39.80V
Maximum Power Current-Imp(A)	10.42A	10.47A	10.51A	10.56A	10.61A	10.65A

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

## MECHANICAL DATA

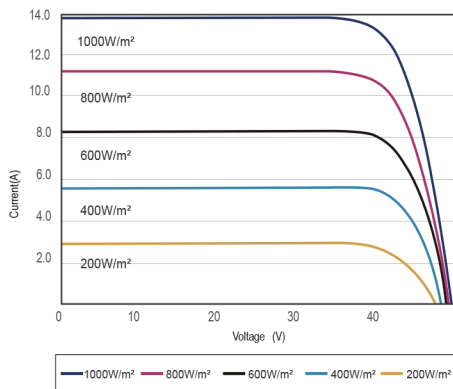
Solar Cells	Mono half-cut 182x91mm, 9BB or 10BB
Cell Configuration	144cells(6x24)
Module Dimensions	2279x1134x35mm
Weight	29KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP68, 3 Diodes
Cable	4mm <sup>2</sup> (IEC)/12AWG(UL), 300mm or customized
Connectors	MC4 or MC4 Comparable
Standard Packaging	31pcs/Pallet

## TEMPERATURE & MAXIMUM RATINGS

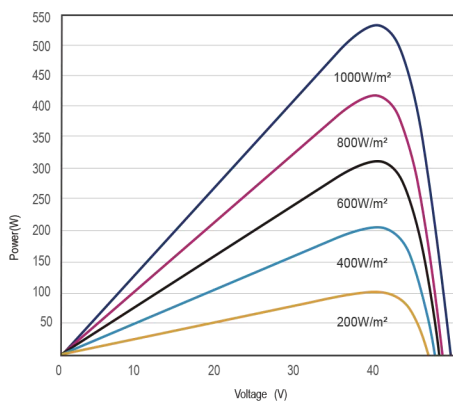
Nominal Operating Cell Temperature(NOCT)	45 °C±2 °C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40~+85 °C
Maximum System Voltage	1500V(IEC)
Max Series Fuse Rating	25A

## PACKAGING CONFIGURATION

Packing Type	40HQ
Piece/Pallet	31
Pallet/Container	20
Piece/Container	620



I-V CURVES OF PV MODULE(540W)



P-V CURVES OF PV MODULE(540W)