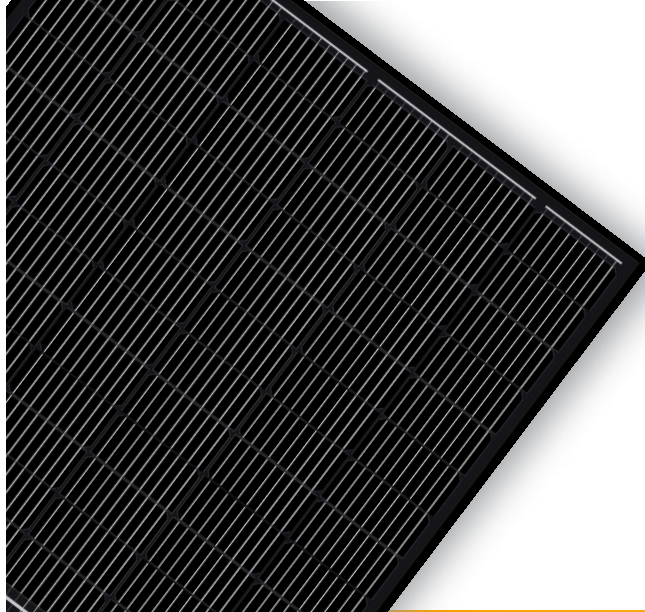
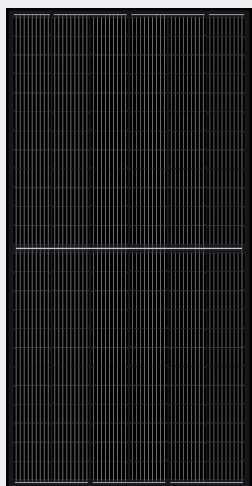




RESUN SOLAR ENERGY CO.,LTD.



WWW.RESUNSOLAR.COM



**144 Cells**

Mono-crystalline 9/10BB

**535-560W**

Power output

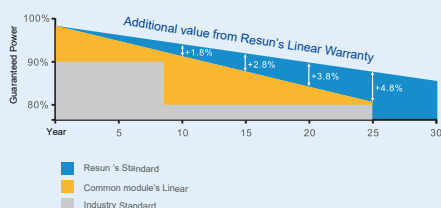
**21.67%**

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

## RS8I-M FULL BLACK

RS8I-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. The full black design makes the module appearance outstanding and ideal for building installations.



### High Reliability

Multi-busbar technology can effectively reduce the reliability risk caused by cells cracks and broken busbar.



### Aesthetic Design

The full black module is aesthetically designed with outstanding and premium visual appearance.



### 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

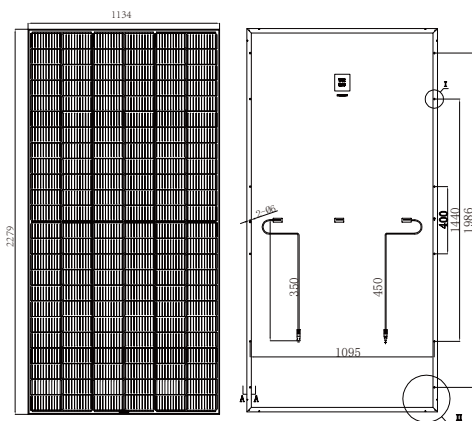


# RS8I-M FULL BLACK



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)	49.45V	49.60V	49.75V	49.90V	49.97V	50.05V
Short Circuit Current-Isc(A)	13.79A	13.86A	13.93A	14.00A	13.93A	14.07A
Maximum Power Voltage-Vmp(V)	41.47V	41.64V	41.80V	41.96V	42.20V	42.12V
Maximum Power Current-Imp(A)	12.90A	12.97A	13.04A	13.11A	13.16A	13.30A
Module Efficiency(%)	20.70%	20.89%	21.09%	21.28%	21.47%	21.67%

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)	46.31V	46.43V	46.55V	46.68V	46.80V	46.92V
Short Circuit Current-Isc(A)	11.05A	11.09A	11.13A	11.17A	11.21A	11.25A
Maximum Power Voltage-Vmp(V)	38.78V	38.99V	39.20V	39.41V	39.62V	39.83V
Maximum Power Current-Imp(A)	10.43A	10.47A	10.51A	10.55A	10.59A	10.63A

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

## MECHANICAL DATA

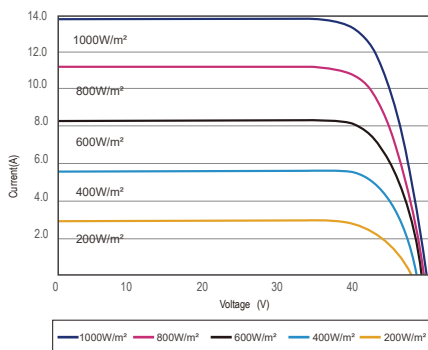
Solar Cells	Mono half-cut 182x91mm, 9-11BB
Cell Configuration	144cells(6x24)
Module Dimensions	2279x1134x35mm
Weight	28.6KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP68, 3 Diodes
Cable	4mm2(IEC)/12AWG(UL), 35cm(+)/45cm(-), or customized.
Connectors	MC4 or MC4 Comparable
Standard Packaging	31pcs/Pallet

## TEMPERATURE & MAXIMUM RATINGS

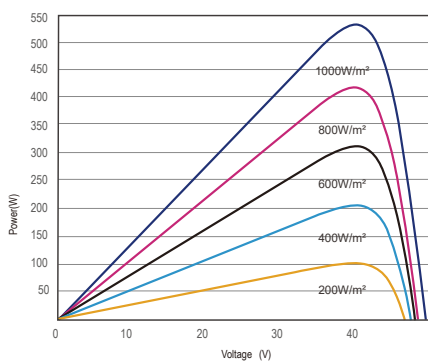
Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)
Max Series Fuse Rating	25A

## 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)