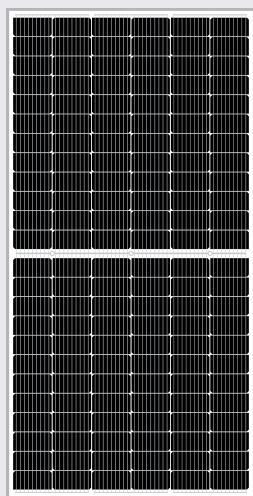


WWW.RESUNSOLAR.COM



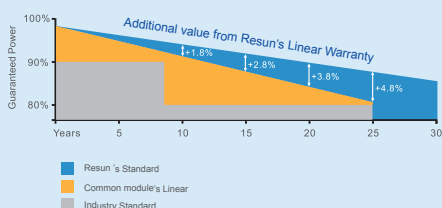
144 Cells
Mono Half-Cell 9BB

425-450 W
Power output

20.37%
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

RS7I-M

RS7I-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

ISO9001 TUV PID-FREE CE IEC 61215/61730/61701/62716

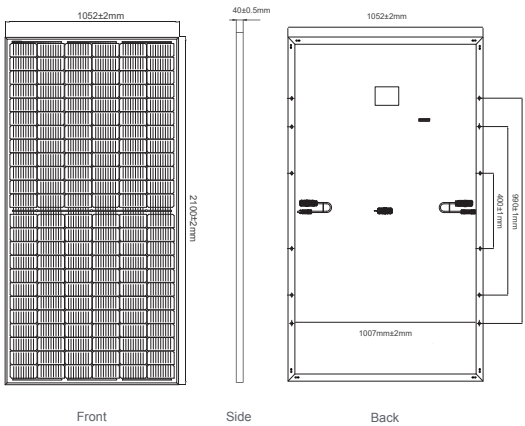


RS7I-M

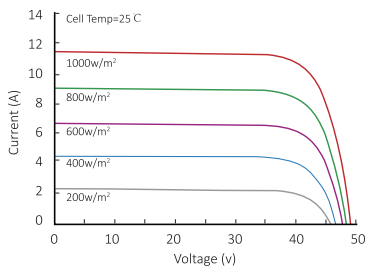


GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

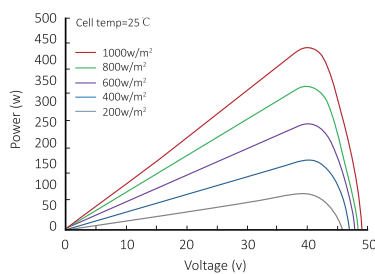
Dimension of PV Modules Unit: mm



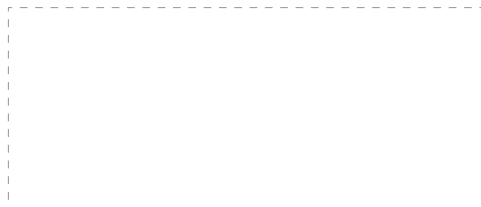
Current-Voltage Curve (RS7I-440M)



Power-Voltage Curve (RS7I-440M)



Partner information



A: Room 606, No. 13, Yongshang Garden, Jingfeng Road, Mudu Town, Wuzhong District, Suzhou, Jiangsu Province, China
F: +86 512-66292101 T: +86 512-66293858
W: www.resunsolar.com E: info@resunsolar.com

ELECTRICAL DATA(STC)

| | | | | | | |
|-------------------------------|--------|--------|--------|--------|--------|--------|
| Rated Power in Watts-Pmax(Wp) | 425W | 430W | 435W | 440W | 445W | 450W |
| Open Circuit Voltage-Voc(V) | 48.3V | 48.5V | 48.7V | 48.9V | 49.1V | 49.3V |
| Short Circuit Current-Isc(A) | 11.23A | 11.31A | 11.39A | 11.46A | 11.53A | 11.6A |
| Maximum Power Voltage-Vmp(V) | 40.5V | 40.7V | 40.9V | 41.1V | 41.3V | 41.5V |
| Maximum Power Current-Imp(A) | 10.5A | 10.57A | 10.64A | 10.71A | 10.78A | 10.85A |
| Module Efficiency (%) | 19.24% | 19.46% | 19.69% | 19.91% | 20.14% | 20.37% |

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) | 317.4W | 321.1W | 324.9W | 328.6W | 332.3W | 336.1W |
| Open Circuit Voltage-Voc (V) | 45.3V | 45.5V | 45.7V | 45.8V | 46.0V | 46.2V |
| Short Circuit Current-Isc (A) | 9.08A | 9.15A | 9.21A | 9.27A | 9.33A | 9.38A |
| Maximum Power Voltage-Vmp(V) | 37.7V | 37.9V | 38.1V | 38.3V | 38.5V | 38.6V |
| Maximum Power Current-Imp(A) | 8.42A | 8.47A | 8.53A | 8.59A | 8.64A | 8.7A |

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

MECHANICAL DATA

| | |
|--------------------|-------------------------------------|
| Solar cells | Half-Cell Mono 166x83mm, 9 Bus bars |
| Cell configuration | 144 Cells (6x24) |
| Module dimensions | 2100x1052x40mm(82.7*41.4*1.57in) |
| Weight | 25KGS |
| Front Cover | 3.2mm Tempered Glass |
| Frame Material | Anodized Aluminum Alloy |
| J-BOX | IP67 or IP68, 3 Diodes |
| Cable | 4mm2(IEC)/12AWG(UL), 300mm |
| Connectors | MC4 or MC4 Comparable |
| Standard Packaging | 27pcs/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)/1500V(UL) |
| Max Series Fuse Rating | 20A |
| Limiting Reverse Current | 20A |

PACKAGING CONFIGURATION

| | |
|-----------------------|---------------------------|
| | 40HQ |
| Modules per container | 616pcs |
| Package | 27pcs/pallet, 2pcs/carton |
| Package Number | 22pallets + 11cartons |