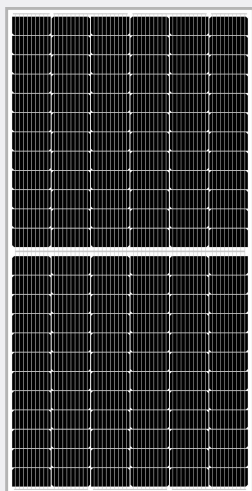




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144 Cells

Mono Half-Cell 9BB

425-460 W

Power output

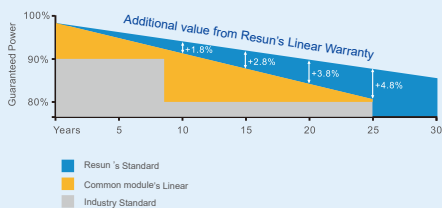
20.37%

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.



**HIGHER ENERGY GENERATION
AND LOWER POWER LOSS**



ANTI HOT SPOT&PID FREE



LESS SHADING EFFECT



**APPLICABLE FOR 1500V SYSTEM, LOWER
SYSTEM COST**



**Entire module certified to withstand high
wind loads(2400Pascal) and snow loads
(5400 Pascal)***

Full range of products and certification systems

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

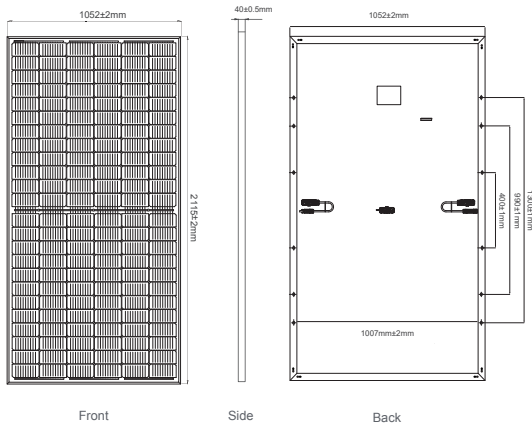


RS7I-M

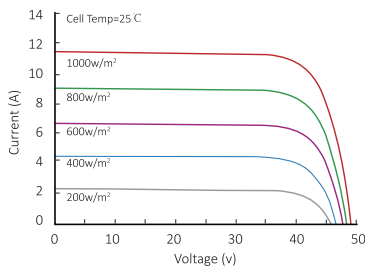


GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

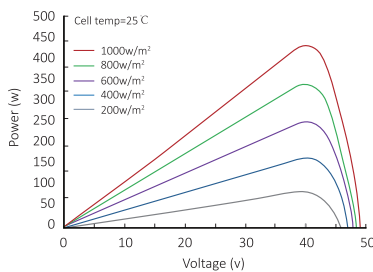
Dimension of PV Modules Unit: mm



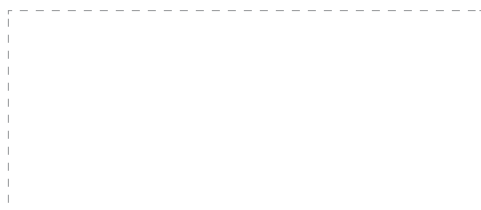
Current-Voltage Curve (RS7I-440M)



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: +86512-66292101 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	460W
Open Circuit Voltage-Voc(V)	48.3V	48.5V	48.7V	48.9V	49.1V	49.3V	49.7V
Short Circuit Current-Isc(A)	11.23A	11.31A	11.39A	11.46A	11.53A	11.6A	11.74A
Maximum Power Voltage-Vmp(V)	40.5V	40.7V	40.9V	41.1V	41.3V	41.5V	41.9V
Maximum Power Current-Imp(A)	10.5A	10.57A	10.64A	10.71A	10.78A	10.85A	10.98A
Module Efficiency (%)	19.24%	19.46%	19.69%	19.91%	20.14%	20.37%	20.67%

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	336.1W
Open Circuit Voltage-Voc (V)	45.3V	45.5V	45.7V	45.8V	46.0V	46.2V	46.6V
Short Circuit Current-Isc (A)	9.08A	9.15A	9.21A	9.27A	9.33A	9.38A	9.4A
Maximum Power Voltage-Vmp(V)	37.7V	37.9V	38.1V	38.3V	38.5V	38.6V	38.8V
Maximum Power Current-Imp(A)	8.42A	8.47A	8.53A	8.59A	8.64A	8.7A	8.8A

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

MECHANICAL DATA

Solar cells	Mono Half-Cell 166x83mm, 9 Bus bars
Cell configuration	144 Cells (6x24)
Module dimensions	2115x1052x30mm
Weight	23KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 or IP68, 3 Diodes
Cable	4mm ² (IEC)/12AWG(UL), 300mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	35pcs/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	20A

PACKAGING CONFIGURATION

	40HQ
Modules per container	792pcs
Package	35pcs/pallet, 2pcs/carton
Package Number	22pallets + 11cartons