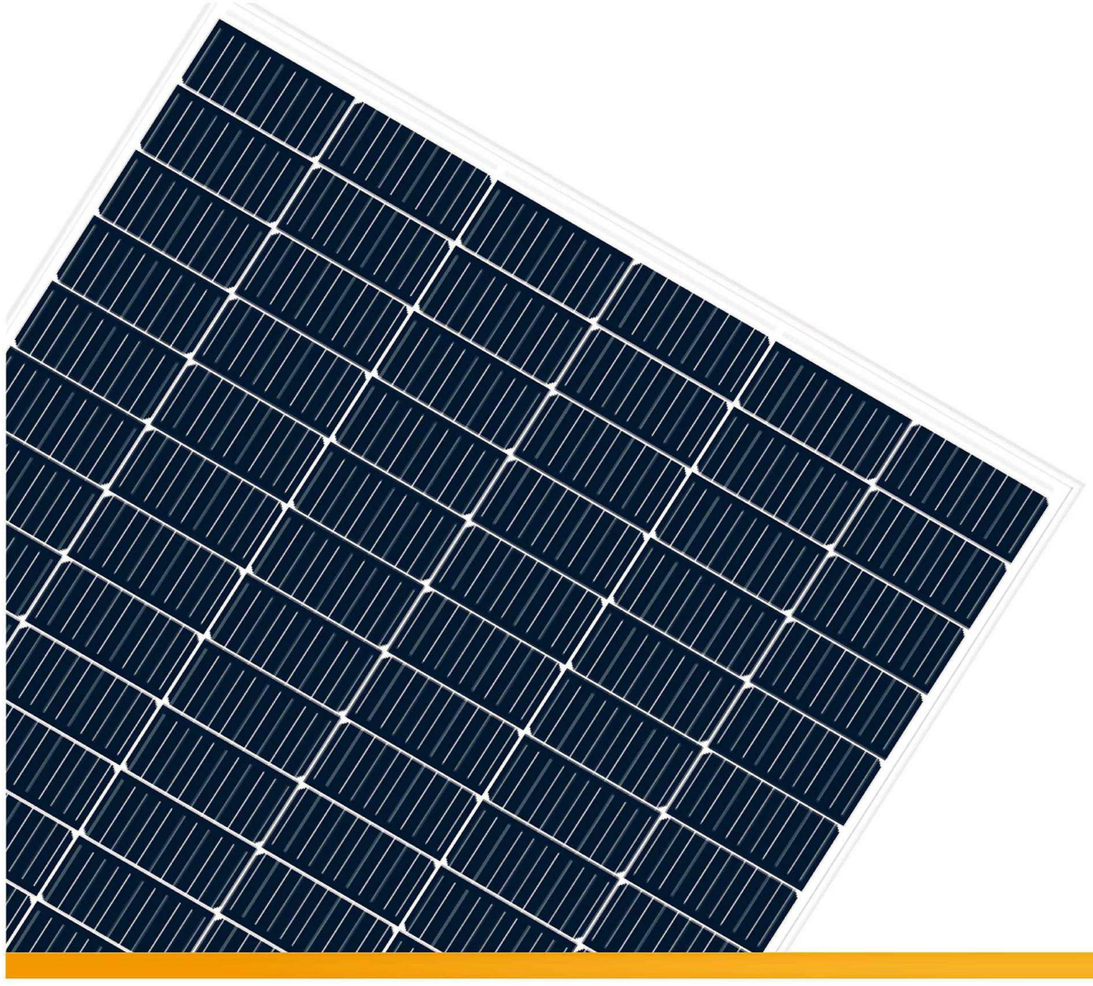
RESUN

RESUN SOLAR ENERGY CO.,LTD.



WWW.RESUNSOLAR.COM

RS8I-550~560M

RS8I-550~560M is a robust solar module with 144 solar cells. These modules can be used for on-grid solar applications. Our meticulous design and production techniques ensure a high-yield, long-term performance for every module produced. Our rigorous quality control and in-house testing facilities guarantee Resun Solar's modules meet the highest quality standards possible

144 Cells
Mono-crystalline

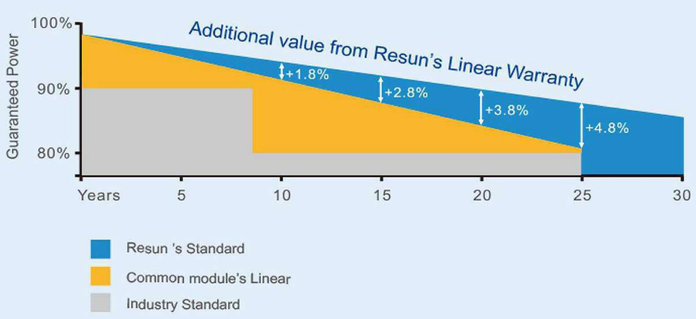
550-560W
Power output

21.67%
The Highest Efficiency

0~+5W
Tolerance

- **High module conversion efficiency (up to 21.67%), 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)**

0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY
15 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

RS8I-550~560M

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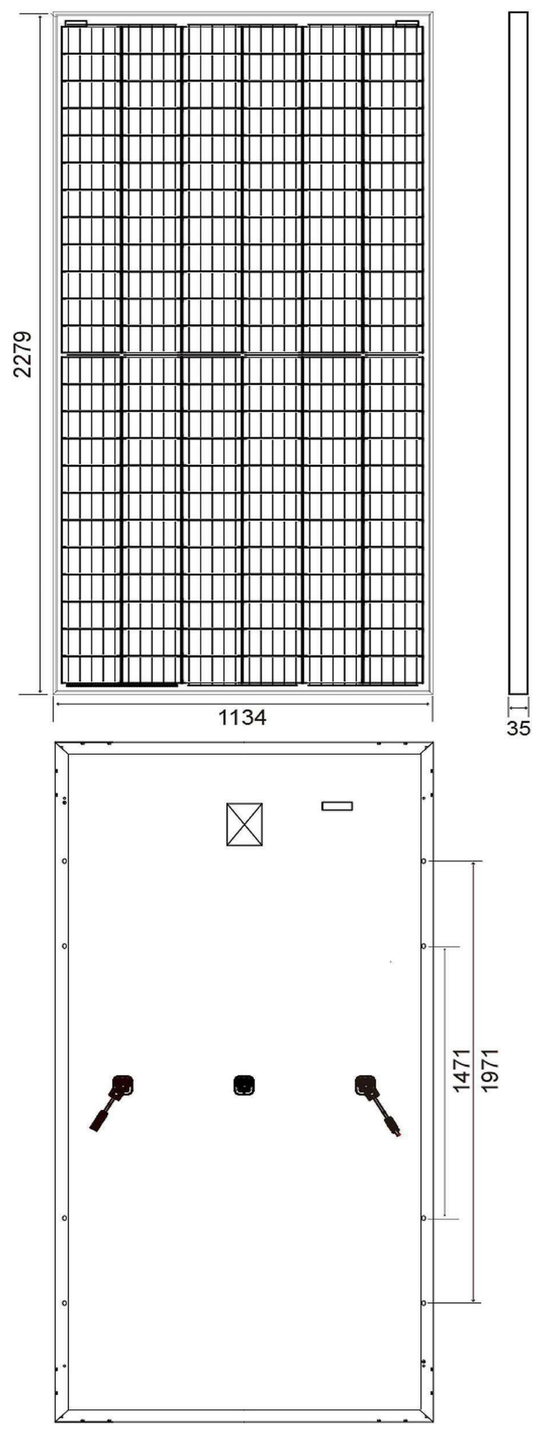
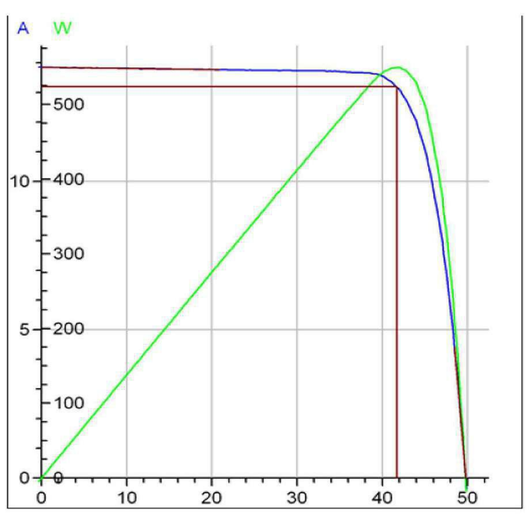
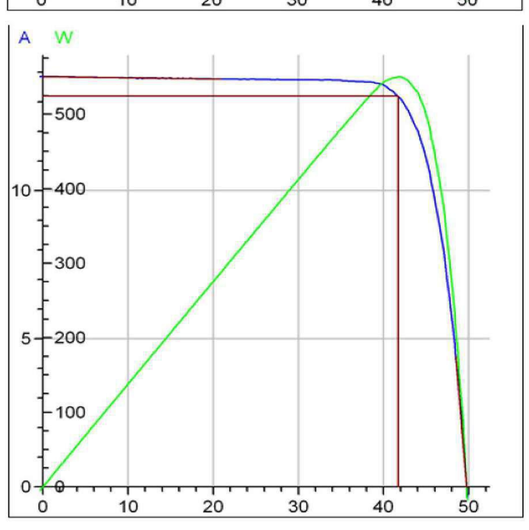
GLOBAL PROFESSIONAL PV PRODUCTS INTERGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm







ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	550W	560W
Open Circuit Voltage-Voc(V)	49.90V	50.05V
Short Circuit Current-Isc(A)	14.00A	14.07A
Maximum Power Voltage-Vmp(V)	41.96V	42.12V
Maximum Power Current-Imp(A)	13.11A	13.30A
Module Efficiency (%)	21.28%	21.67%

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)	416W	424W
Open Circuit Voltage-Voc (V)	46.68V	46.85V
Short Circuit Current-Isc (A)	11.17A	11.24A
Maximum Power Voltage-Vmp(V)	39.43V	39.67V
Maximum Power Current-Imp(A)	10.55A	10.69A

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

MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm,9/10/11 Bus bars
Cell configuration	144cells(6*24)
Module dimensions	2279*1134*35mm
Weight	28.6kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Cable	4mm²(IEC)/12AWG(UL),300mm/400mm ,or customized
Connectors	MC4 or MC4 Comparable
Standard Packaging	31pcs/pallet

TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	45℃ ± 2℃
Temperature Coefficient of Voc	−0.32%/℃
Temperature Coefficient of Isc	0.05%/℃
Temperature Coefficient of Pmax	−0.39%/℃
Operational Temperature	−40~+85℃
Maximum System Voltage	1500W(IEC)/1500v(UL)
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

PACKAGING CONFIGURATION

	40HQ	20GP
Number of modules per container	620pcs	
Package	31pcs/pallet	
Package Weight	20pallets	
Package Number	926kg/pallet	
Package Dimension	2310 * 1285 * 1130 mm/pallet	

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