

WWW.RESUNSOLAR.COM



RS8I-550~560M-F30

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

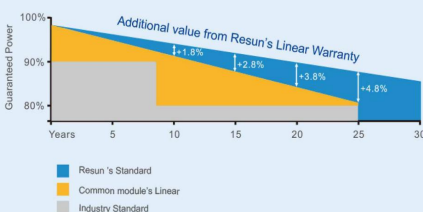
21.7%

The Highest Efficiency

0~+5W

Tolerance

**0.5% Annual Degradation
over 30 years**



High module conversion efficiency (up to 21.7%), 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)

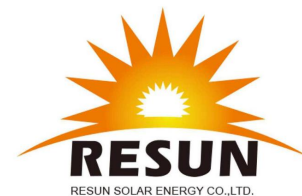
Full range of products and certification systems

ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716



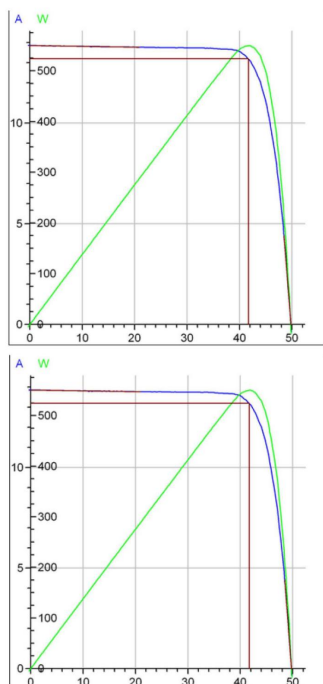
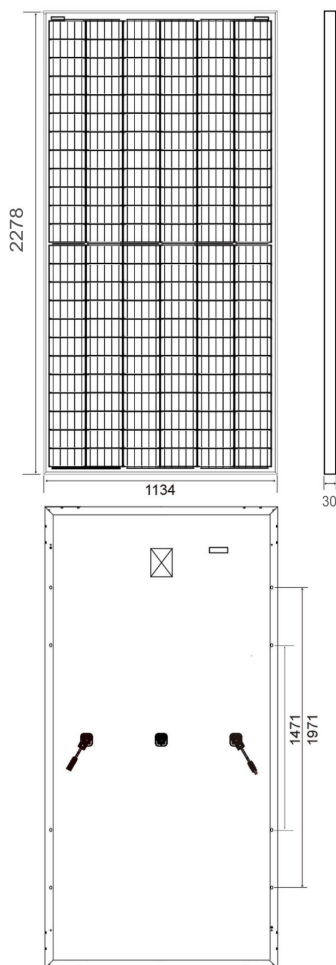
LINEAR PERFORMANCE WARRANTY
15 year Product Warranty / 30 year Linear Power Warranty

RS8I-550~560MF30



GLOBAL PROFESSIONAL PV PRODUCTS INTERGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	550W	555W	560W
Open Circuit Voltage-Voc(V)	49.90V	49.98V	50.05V
Short Circuit Current-Isc(A)	14.00A	14.03A	14.07A
Maximum Power Voltage-Vmp(V)	41.96V	42.06V	42.12V
Maximum Power Current-Imp(A)	13.11A	13.19A	13.30A
Module Efficiency (%)	21.3 %	21.4%	21.7%

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	420W	424W
Open Circuit Voltage-Voc (V)	46.68V	46.78V	46.85V
Short Circuit Current-Isc (A)	11.17A	11.20A	11.24A
Maximum Power Voltage-Vmp(V)	39.43V	39.62V	39.67V
Maximum Power Current-Imp(A)	10.55A	10.60A	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,10 Bus bars
Cell configuration	144cells(6*24)
Module dimensions	2278*1134*30mm
Weight	27.2 kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Cable	4mm ² (IEC)/12AWG(UL),300mm/400mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	36pcs/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	1500W(IEC)/1500v(UL)
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

PACKAGING CONFIGURATION

	40HQ	20GP
Number of modules per container	720pcs	
Package	36 pcs/pallet	
Package Weight	20pallets	
Package Number	1000 kg/pallet	
Package Dimension		