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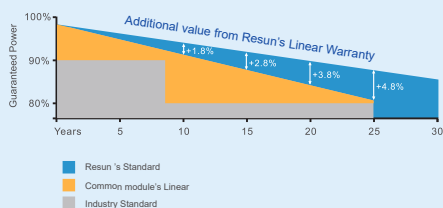
144 Cells
Mono-crystalline

550W
Power output

21.55%
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-550M

RS8I-550M 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



High module conversion efficiency (up to 21.55%), 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

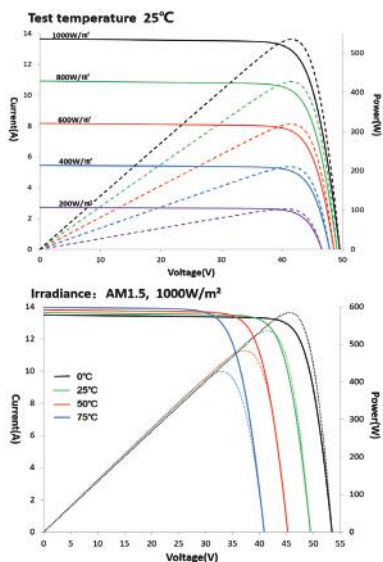
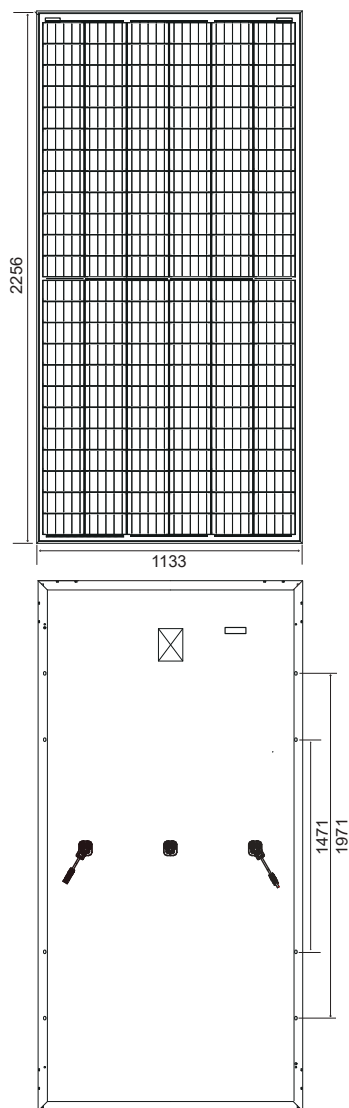


RS8I-550M



GLOBAL PROFESSIONAL PV PRODUCTS INTERGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	550W
Open Circuit Voltage-Voc(V)	49.90V
Short Circuit Current-Isc(A)	14.00A
Maximum Power Voltage-Vmp(V)	41.96V
Maximum Power Current-Imp(A)	13.11A
Module Efficiency (%)	21.55%

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
Open Circuit Voltage-Voc (V)	46.68V
Short Circuit Current-Isc (A)	11.17A
Maximum Power Voltage-Vmp(V)	39.43V
Maximum Power Current-Imp(A)	10.55A

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

MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm,9 Bus bars
Cell configuration	144cells(6*24)
Module dimensions	2256*1133*35mm/40mm
Weight	28.6kg/29.0kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Cable	4mm² (IEC)/12AWG(UL),300mm/400mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	31/27pcs/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	1500W(IEC)/1500v(UL)
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

PACKAGING CONFIGURATION

	40HQ	20GP
Number of modules per container	620/540pcs	
Package	31/27pcs/pallet	
Package Weight	20pallets	
Package Number	926/823kg/pallet	
Package Dimension	2290*1130*1270mm/pallet	