

144 Cells

Mono crystalline

550-560W

Power Output

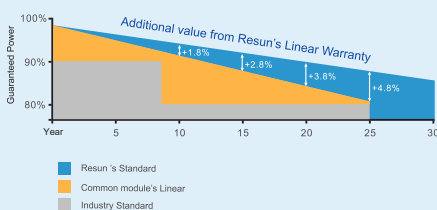
21.68%

The Highest Efficiency

0~+5W

Tolerance

0.5% Annual Degradation over 30 years



12 Year Product Warranty
30 Year Linear Power Warranty

RS8I 550-555-560 M-F30

RS8I-M is a robust solar module with 36 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 21.68%), 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)

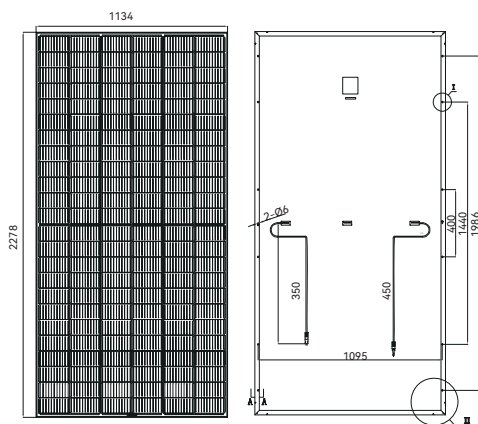
Full range of products and certification systems

ISO 9001/14001 TUV PID-FREE CE IEC 61215/61730/61701/62716



GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



Electrical Data(STC)

	550W	555W	560W
Rated Power In Watts-Pmax(Wp)	550W	555W	560W
Open Circuit Voltage-Voc(V)	49.90	49.98	50.05
Short Circuit Current-Isc(A)	14.00	14.03	14.07
Maximum Power Voltage-Vmp(V)	41.96	42.06	42.12
Maximum Power Current-Imp(A)	13.11	13.19	13.30
Module Efficiency(%)	21.3%	21.5%	21.68%

STC: irradiance 1000W/m², component temperature 25°C, Air Mass AM1.5 according to EN 60904-3

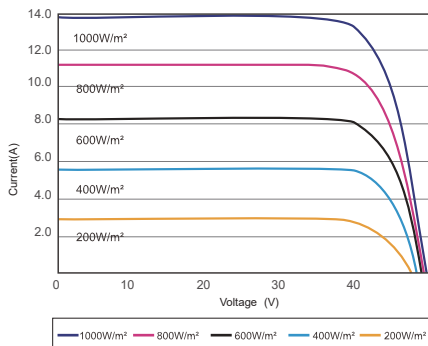
Electrical Data(NOCT)

	416W	420W	424W
Rated Power In Watts-Pmax(Wp)	416W	420W	424W
Open Circuit Voltage-Voc(V)	46.68	46.78	46.85
Short Circuit Current-Isc(A)	11.17	11.20	11.24
Maximum Power Voltage-Vmp(V)	39.43	39.62	39.67
Maximum Power Current-Imp(A)	10.55	10.60	10.69

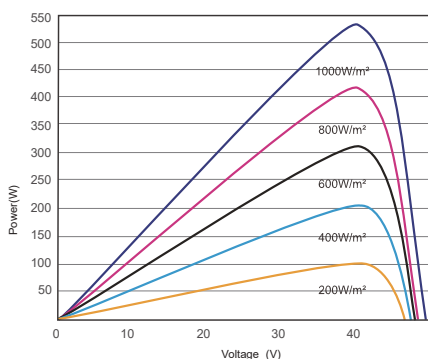
NMOT: irradiance 800W/m², ambient temperature 20°C, Air Mass AM1.5, wind speed 1m/s

Mechanical Data

Solar Cells	Mono-crystalline 182*91mm,10 Bus bars
Cell Configuration	144cells(6*24)
Module Dimensions	2278*1134*30mm
Weight	27.2kg
Front Cover	3.2mm Tempered Glass
J-Box	IP68
Cable	4mm ² (IEC)/12AWG(UL),300mm/400mm
Connectors	MC4 or MC4 Compatible



I-V CURVES OF PV MODULE(550W)



P-V CURVES OF PV MODULE(550W)

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	25A
Limiting Reverse Current	25A

Packaging Configuration

	40HQ
Number of modules per container	720pcs
Package	36 pcs/pallet
Package Weight	20 pallets
Package Number	1019kg/pallets
Package Dimension	

SUZHOU KINSPIRE ENERGY CO., LTD.

Room 5163, West Side of 5th Floor, No. 4 Standard Workshop, No. 165 South Dongwu Road, Economic Development Zone, Wuzhong District, Suzhou, China

E: info@kinspire-energy.com
W: www.kinspire-energy.com