

RS5A-M

190/195/200/205/210M

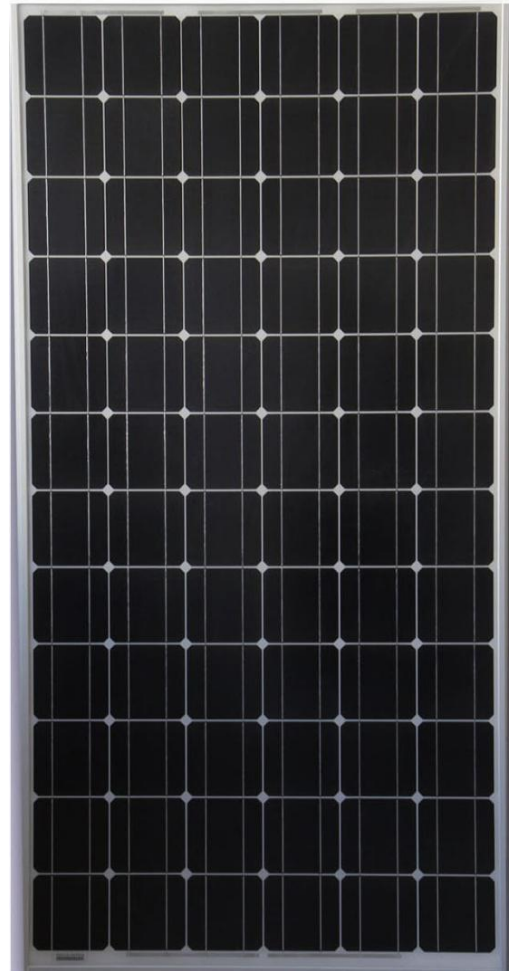


Resun Solar Energy Co.,Ltd



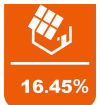
All-Purpose Module

RS5A is a robust solar module with 72 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.



Monocrystalline Silicon Solar Modules

Features



High module conversion efficiency (up to 16.45%), 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)



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



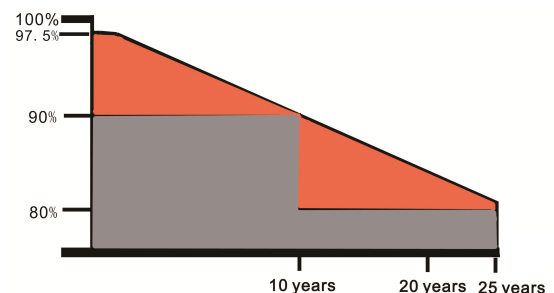
All-purpose Module

Sales network covers more than 50 countries, providing customers with instant after sales service and an efficient supply-chain, our clients can be found throughout the world, such as North America, Europe, Oceania, Eastern Europe, East Asia, Middle Easter and Africa etc. Resun Solar team works closely with our customers to provide them with solutions for all their solar needs.

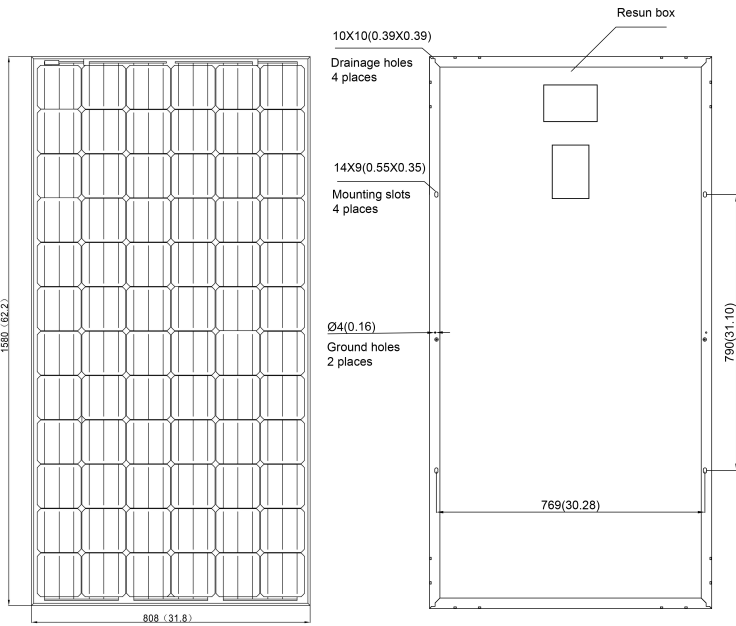


Resun reputation is founded on more than 300MW of high performance solar modules installed around the world.

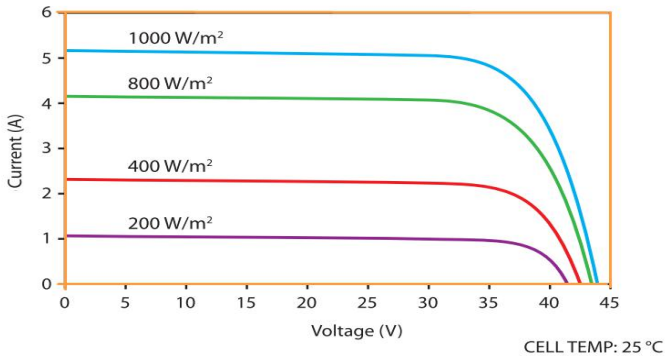
Industry-leading warranty



- 25 year transferable power output warranty: 10year/90%; 25year/80%.
- Based on nominal power.
- 10 year material and workmanship warranty.



IV-Curves



Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.43%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.065%/°C

Packing Configuration

Container	20'GP	40'HQ
Pieces	406	1064

Electrical Data

STC	RS5A 190M	RS5A 195M	RS5A 200M	RS5A 205M	RS5A 210M
Nominal Maximum Power(Pmax)	190W	195W	200W	205W	210W
Optimum Operating Voltage(Vmp)	36.6V	36.7V	36.8V	36.9V	37.0V
Optimum Operating Current(Imp)	5.19A	5.31A	5.43A	5.56A	5.68A
Open Circuit voltage(Voc)	44.0V	44.0V	44.2V	44.3V	44.4V
Short Circuit Current(Isc)	5.71A	5.84A	5.98A	6.11A	6.24A
Module Efficiency	14.88%	15.27%	15.67%	16.06%	16.45%
Operating Temperature	-40°C~+85°C				
Maximum System Voltage	1000V(IEC)/600V(UL)				
Maximum Series Fuse Rating	15A				
Application Classification	Class A				
Power Tolerance	0 ~ + 5W				

Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C

NOCT	RS5A 190M	RS5A 195M	RS5A 200M	RS5A 205M	RS5A 210M
Nominal Maximum Power (Pmax)	139W	143W	146W	150W	154W
Optimum Operating Voltage (Vmp)	33.7V	33.9V	34.0V	34.3V	34.5V
Optimum Operating Current (Imp)	4.12A	4.21A	4.30A	4.37A	4.46A
Open Circuit Voltage (Voc)	41.9V	42.0V	42.1V	42.2V	42.3V
Short Circuit Current (Isc)	4.49A	4.54A	4.62A	4.71A	4.8A

Under Normal Operating Cell Temperature, irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C wind speed 1m/s

Mechanical Data

Cell Type	Mono-crystalline 125 x 125mm, 2 Bus bars
Cell Arrangement	72 (6x12)
Dimensions	1580 x 808 x 40mm(62.2 x 31.8 x 1.57in)
Weight	13kg
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67, 6 Diodes
Cable	4mm2(IEC)/12AWG(UL),1150mm
Connectors	MC4 or MC4 Comparable
Standard Packaging (Modules per Pallet)	29pcs
Module Pieces per container (40HQ)	1064pcs (40'HQ)

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