

# RSM100P



Suzhou Resun Solar Energy Co.,Ltd

## All-Purpose Module

SM100P is a robust solar module with 36 solar cells. These modules can be used for on-grid, off-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.

## Polycrystalline Silicon Solar Modules

### Features



High module conversion efficiency (up to 14.63%), through superior manufacturing technology



Guaranteed 0- +5W positive power output tolerance ensures high reliability



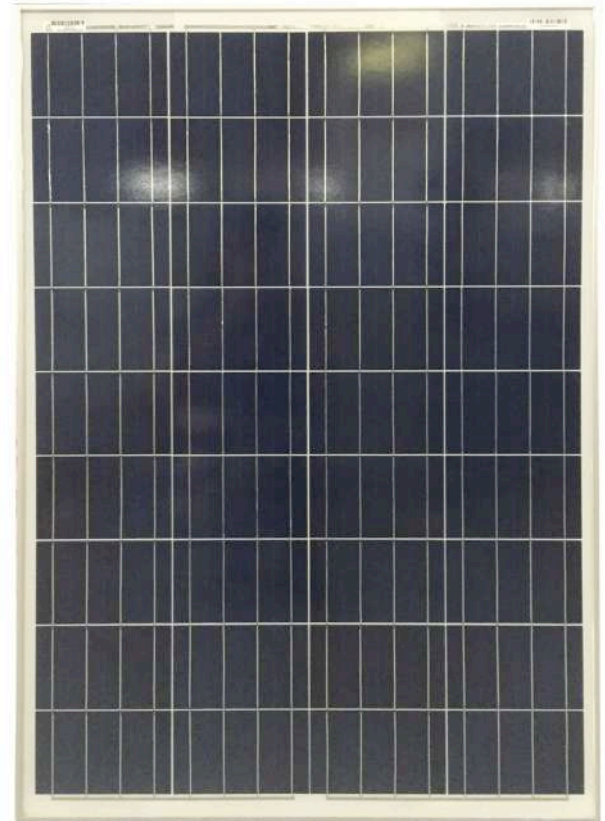
Anti-reflective, hydrophobic coating improves light absorption and reduces surface dust



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)\*



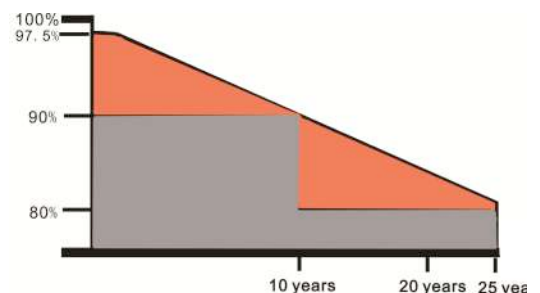
## All-purpose Module

Our sales network covers more than 20 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 East 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 500MW of high performance solar modules installed around the world.

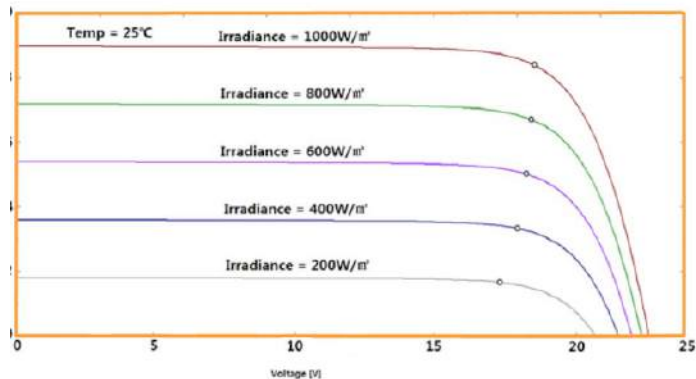
## Industry-leading warranty



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

# RSM100P

## IV-Curves



## Electrical Data

STC	RSM100P
Nominal Maximum Power(Pmax)	100W
Optimum Operating Voltage(Vmp)	18.54V
Optimum Operating Current(Imp)	5.39A
Open Circuit voltage(Voc)	22.68V
Short Circuit Current(Isc)	5.88
Module Efficiency	14.63%
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/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C

## Mechanical Data

Cell Type	Poly-crystalline 156 x 104mm, 3 or 4 Bus bars
Cell Arrangement	36 (4x9)
Dimensions	1020x 670 x 30mm
Weight	7.5kg
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67 with 2 Diodes
Cable	4mm2(IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging (Modules per carton box)	1pcs
Module Pieces per container (40HQ)	1200pcs (20'GP)

## 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	1200	2000

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