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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Resun Solar Energy Co., Ltd.**

**RS6F-P**

**RS6F-220P**

Also available on the web at  
[EnergyPal.com/resun-solar-energy-co-ltd-solar-panels/rs6f-220p](http://EnergyPal.com/resun-solar-energy-co-ltd-solar-panels/rs6f-220p)

# RS6F-P

195/200/205/210/215/220P

## All-Purpose Module

RS6F is a robust solar module with 48 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.

## Polycrystalline Silicon Solar Modules

### Features



High module conversion efficiency (up to 16.69%), 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)\*



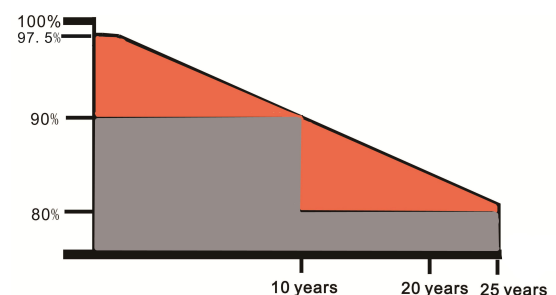
## All-purpose Module

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.

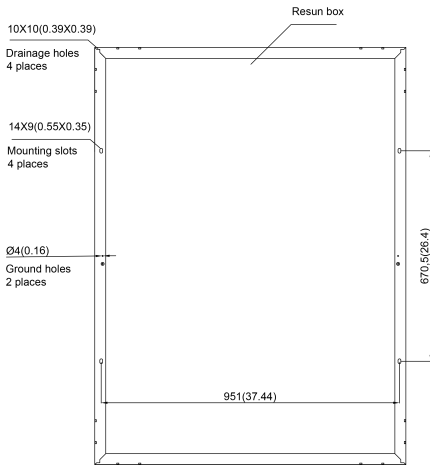
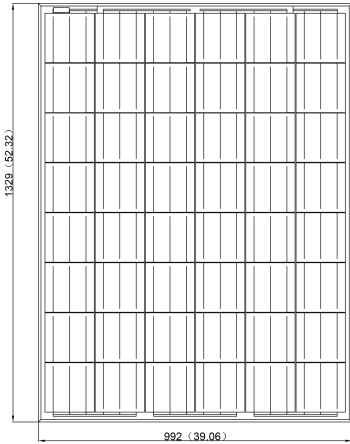
## Industry-leading warranty



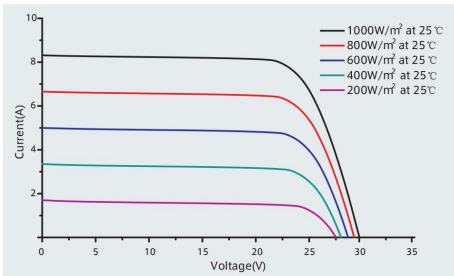
- 25 year transferable power output warranty:10year/90%;25year/80%.
- Based on nominal power.
- 10 year material and workmanship warranty.

# RS6F-P

## 195/200/205/210/215/220P



### 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	410	896

### Electrical Data

STC	RS6F 195P	RS6F 200P	RS6F 205P	RS6F 210P	RS6F 215P	RS6F 220P
Nominal Maximum Power(Pmax)	195W	200W	205W	210W	215W	220W
Optimum Operating	24.0V	24.3V	24.5V	24.8V	25.0V	25.2V
Optimum Operating Current(Imp)	8.13A	8.23A	8.37A	8.46A	8.60A	8.73A
Open CIRCUIT voltage(Voc)	28.80V	29.16V	29.40V	29.76V	30.00V	30.23V
Short Circuit Current(Isc)	8.94A	9.05A	9.20A	9.31A	9.46A	9.60A
Module Efficiency	14.79%	15.17%	15.55%	15.93%	16.31%	16.69%
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

NOCT	RS6F 195P	RS6F 200P	RS6F 205P	RS6F 210P	RS6F 215P	RS6F 220P
Nominal Maximum Power (Pmax)	141W	145W	148W	151W	155W	159W
Optimum Operating Voltage (Vmp)	21.60V	21.90V	22.20V	22.50V	22.80V	23.10V
Optimum Operating Current (Imp)	6.51A	6.59A	6.65A	6.71A	6.80A	6.88A
Open Circuit Voltage (Voc)	27.00V	27.20V	27.50V	27.80V	28.10V	28.80V
Short Circuit Current (Isc)	7.14A	7.18A	7.22A	7.24A	7.35A	7.37A

Under Normal Operating Cell Temperature, irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C wind speed 1m/s

### Mechanical Data

Cell Type	Poly-crystalline 156 x 156mm,3 or 4 Bus bars
Cell Arrangement	48 (6x8)
Dimensions	1329 x 992 x 40mm(52.17 x 39.05 x 1.57in)
Weight	18kg
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)	32pcs
Module Pieces per container (40HQ)	896pcs (40'HQ)

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