

RS6C-P

245/250/255/260/265P

Resun Solar Energy Co.,Ltd

All-Purpose Module

RS6C is a robust solar module with 60 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 16.32%), 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)*



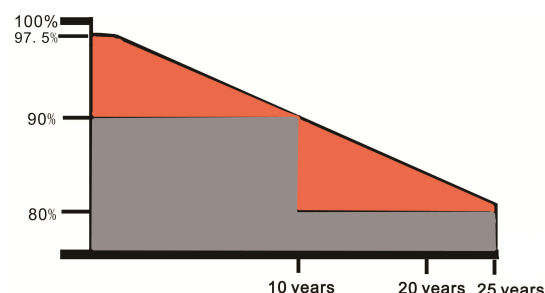
All-purpose Module

Sales network covers more than 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 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 200MW 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.

RS6C-P

245/250/255/260/265P

Electrical Data

| STC | RS6C 245P | RS6C 250P | RS6C 255P | RS6C 260P | RS6C 265P |
|--------------------------------|---------------------|-----------|-----------|-----------|-----------|
| Nominal Maximum Power(Pmax) | 245W | 250W | 255W | 260W | 265W |
| Optimum Operating Voltage(Vmp) | 29.7V | 29.9V | 30.1V | 30.3V | 30.5V |
| Optimum Operating Current(Imp) | 8.25A | 8.36A | 8.47A | 8.58A | 8.69A |
| Open CIRCUIT voltage(Voc) | 37.1V | 37.3V | 37.5V | 37.7V | 37.8V |
| Short Circuit Current(Isc) | 8.74A | 8.81A | 8.88A | 8.95A | 9.01A |
| Module Efficiency | 15.09% | 15.40% | 15.70% | 16.01% | 16.32% |
| Operating Temperature | -40℃~+85℃ | | | | |
| 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℃

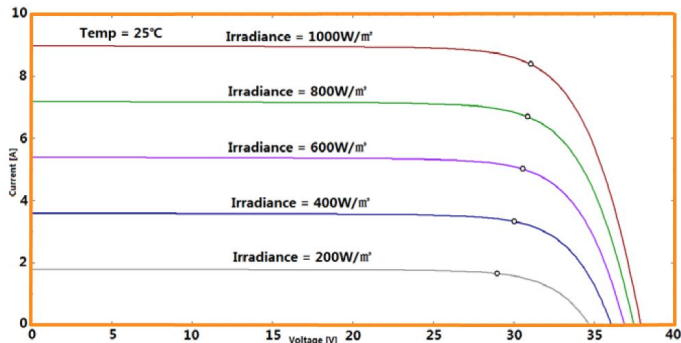
| NOCT | RS6C 245P | RS6C 250P | RS6C 255P | RS6C 260P | RS6C 265P |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|
| Nominal Maximum Power (Pmax) | 182W | 185W | 188W | 192W | 195W |
| Optimum Operating Voltage (Vmp) | 27.4V | 27.6V | 27.8V | 28.1V | 28.3V |
| Optimum Operating Current (Imp) | 6.64A | 6.70A | 6.76A | 6.82A | 6.89A |
| Open Circuit Voltage (Voc) | 34.3V | 34.5V | 34.7V | 34.9V | 35.1V |
| Short Circuit Current (Isc) | 7.05A | 7.10A | 7.15A | 7.20A | 7.24A |

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

Mechanical Data

| | |
|---|---|
| Cell Type | Poly-crystalline 156 x 156mm, 3 or 4 Bus bars |
| Cell Arrangement | 60 (6x10) |
| Dimensions | 1640 x 990 x 35mm(64.57 x 38.98 x 1.38in) |
| Weight | 19kg |
| 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) | 832pcs (40'HQ) |

IV-Curves



Temperature Characteristics

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

Packing Configuration

| Container | 20'GP | 40'HQ |
|-----------|-------|-------|
| Pieces | 300 | 832 |

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