

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

Resun Solar Energy Co., Ltd.

RS6T-P

RS6T-320P

Also available on the web at
EnergyPal.com/resun-solar-energy-co-ltd-solar-panels/rs6t-320p

RS6T-P

320/325/330/335/340P



All-Purpose Module

RS6T 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.

RS6T have five instead of three bus bars, which allows more efficient current collection and can also improve long term performance.

The RS6T cells use a novel junction formation technology which is standard in semiconductor manufacturing. This allows for improved minority carrier lifetimes and a very tight distribution of cell performance in manufacturing. RS6T cells are PID free and further increase the cell efficiency allowing to increase the average module power distribution.

Polycrystalline Silicon Solar Modules

Features



High module conversion efficiency (up to 17.58%), through superior manufacturing technology



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



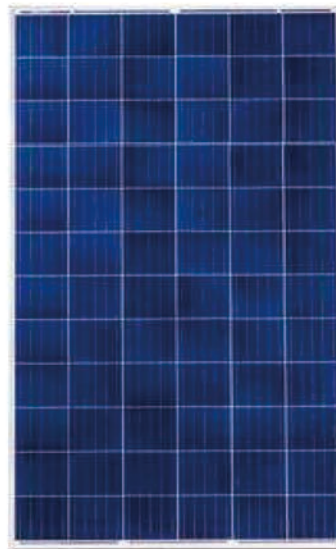
Anti-reflective, hydrophobic coating improves light absorption and reduces surface dust



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)*



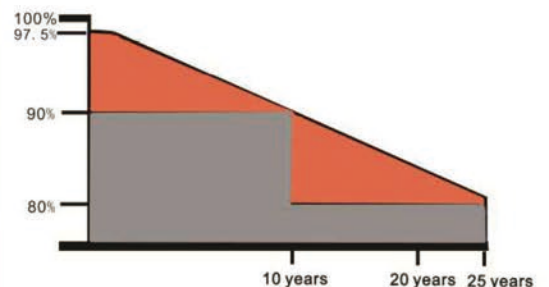
All-purpose Module

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.

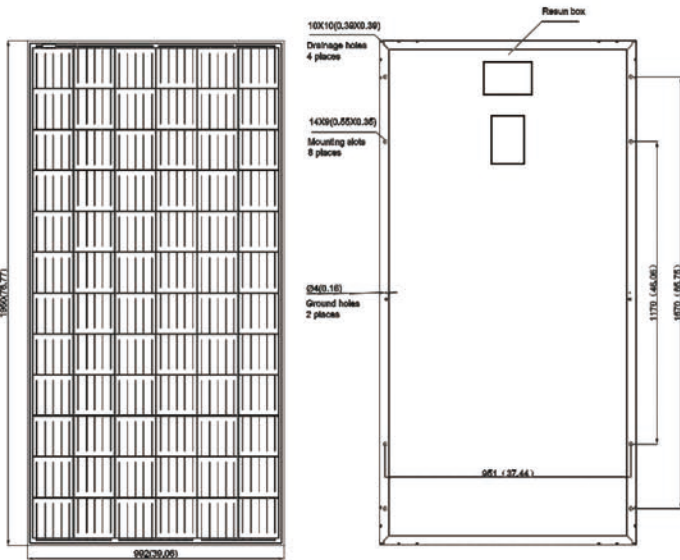
Industry-leading warranty



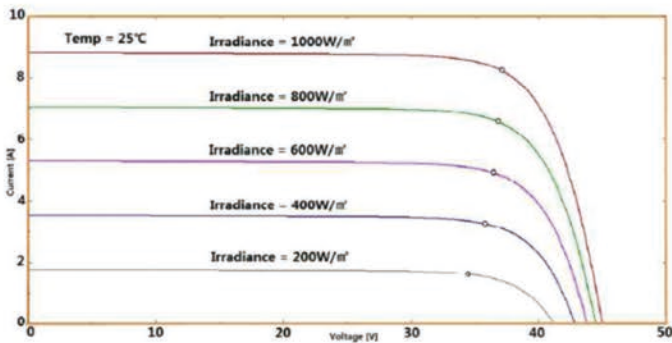
- 25 year transferable power output warranty: 10year/90%; 25year/80%.
- Based on nominal power.
- 10 year material and workmanship warranty.

RS6T-P

320/325/330/335/340P



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	270	540

Electrical Data

STC	RS6T 320P	RS6T 325P	RS6T 330P	RS6T 335P	RS6T 340P
Nominal Maximum	320W	325W	330W	335W	340W
Optimum Operating	37.3V	37.4V	37.5V	37.6V	37.7V
Optimum Operating	8.58A	8.69A	8.80A	8.91A	9.02A
Open CIRCUIT	44.8V	44.9V	45.0V	45.1V	45.2V
Short Circuit Current(Isc)	9.43A	9.56A	9.68A	9.80A	9.90A
Module Efficiency	16.54%	16.80%	17.06%	17.32%	17.58%
Operating Temperature	-40°C~+85°C				
Maximum System Voltage	1000V(IEC)/600V(UL)				
Maximum Series Fuse	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	RS6T 320P	RS6T 325P	RS6T 330P	RS6T 335P	RS6T 340P
Nominal Maximum Power (Pmax)	238W	243W	247W	253W	258W
Optimum Operating Voltage (Vmp)	34.6V	34.9V	35.2V	35.4V	35.6V
Optimum Operating Current (Imp)	6.88A	6.96A	7.01A	7.14A	7.25A
Open Circuit Voltage (Voc)	42.5V	42.7V	42.9V	43.1V	43.3V
Short Circuit Current (Isc)	7.47A	7.58A	7.70A	7.83A	7.94A

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	Poly-crystalline 156 x 156mm,3 or 4 Bus bars
Cell Arrangement	72 (6x12)
Dimensions	1950 x 992 x 40mm(76.77 x 39.05 x 1.57in)
Weight	22kg
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)	27pcs
Module Pieces per container (40HQ)	540pcs (40'HQ)

Resun Solar Energy Co.,Ltd

Add:No 15 Puzhuang Avenue,Wuzhong District,Suzhou, Jiangsu China.

Tel:+86 0512 66292101

Fax:+86 0512 66293858

E-mail:info@resunsolar.com

http://www.resunsolar.com