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EnergyPal

Solar Panel Guide Specification Data Sheet

Resun Solar Energy Co., Ltd.

RS6T-M

RS6T-345M

Also available on the web at
EnergyPal.com/resun-solar-energy-co-ltd-solar-panels/rs6t-345m

RS6T-M

330/335/340/345/350M

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.

Monocrystalline Silicon Solar Modules

Features



18.09%

High module conversion efficiency (up to 18.09%), through superior manufacturing technology



0-5W

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



Self-clean

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



Weak light

Excellent performance under low light environments (mornings, evenings and cloudy days)



2400Pa
5400PA

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



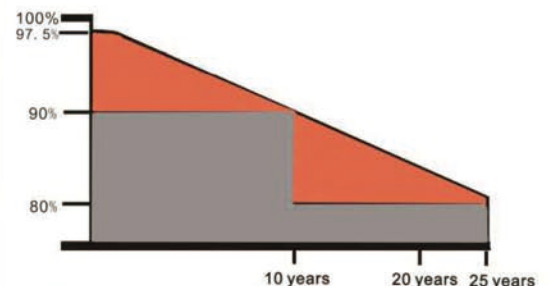
All-purpose Module

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 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 300MW of high performance solar modules installed around the world.

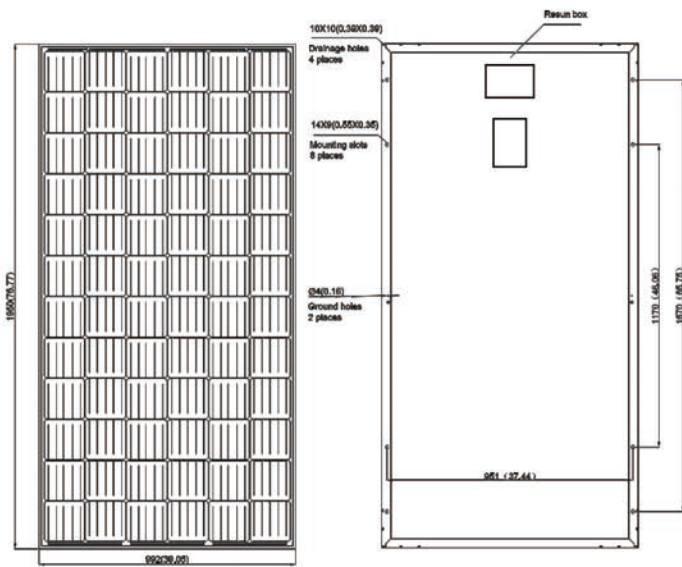
Industry-leading warranty



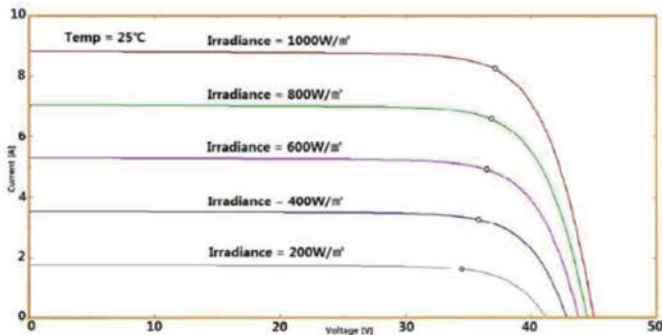
- 25 year transferable power output warranty: 10year/90%; 25year/80%.
- Based on nominal power.
- 10 year material and workmanship warranty.

RS6T-M

330/335/340/345/350M



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 330M	RS6T 335M	RS6T 340M	RS6T 345M	RS6T 350M
Nominal Maximum	330W	335W	340W	345W	350W
Optimum Operating	37.8V	37.9V	38.0V	38.1V	38.2V
Optimum Operating	8.73A	8.84A	8.95A	9.06A	9.16A
Open CIRCUIT voltage(Voc)	45.3V	45.5V	45.6V	45.7V	45.8V
Short Circuit Current(Isc)	9.60A	9.72A	9.84A	9.95A	10.08A
Module Efficiency	17.06%	17.32%	17.58%	17.83%	18.09%
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 330M	RS6T 335M	RS6T 340M	RS6T 345M	RS6T 350M
Nominal Maximum Power	242W	246W	251W	258W	263W
Optimum Operating Voltage	35.1V	35.3V	35.5V	35.6V	35.9V
Optimum Operating Current	6.89A	6.97A	7.07A	7.25A	7.33A
Open Circuit Voltage (Voc)	42.7V	42.8V	42.9V	43.3V	43.5V
Short Circuit Current (Isc)	7.57A	7.66A	7.80A	7.94A	8.06A

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 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)

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