RESUN

RESUN SOLAR ENERGY CO.,LTD.

WWW.RESUNSOLAR.COM

RS6S-P

RS6S-P 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 modules meet the highest quality standards possible.

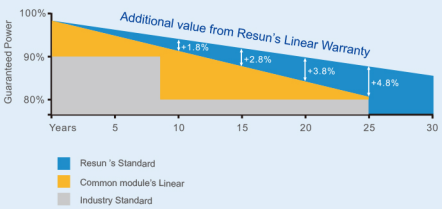
72 Cells
Poly-crystalline

325-345W
Power output

17.78%
The Highest Efficiency

0~+5W
Tolerance

0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY
12 year Product Warranty / 30 year Linear Power Warranty

- **High module conversion efficiency (up to 17.78%), 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)**
- **Suitable for harsh environments,such as coasts, deserts and lakes Withstand high level of wind loads(2400pa) and snow loads(5400pa)**

2400Pa
5400PA

Full range of products and certification systems

ISO9001 TUV PID-FREE CE IEC61215/61730/61701/62716

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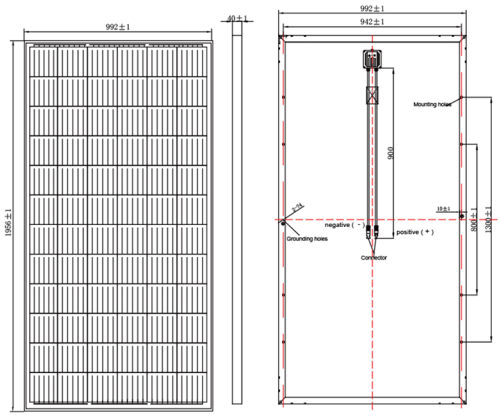
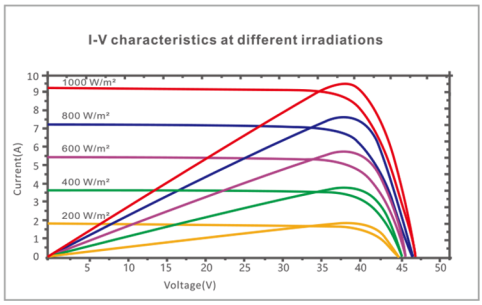
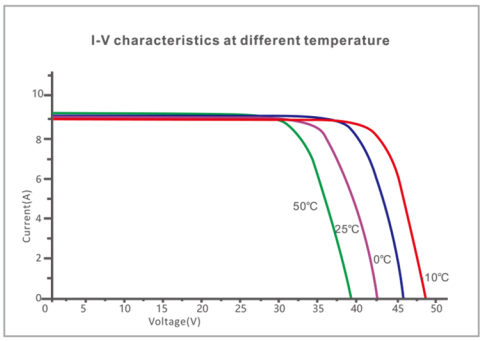
GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm







Partner information

ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	325W	330W	335W	340W	345W
Open Circuit Voltage-Voc(V)	46.1V	46.4V	46.6V	46.8V	47.0V
Short Circuit Current-Isc(A)	9.15A	9.23A	9.3A	9.38A	9.43A
Maximum Power Voltage-Vmp(V)	37.5V	37.8V	38V	38.3V	38.6V
Maximum Power Current-Imp(A)	8.67A	8.74A	8.81A	8.88A	8.94A
Module Efficiency (%)	16.76%	17.03%	17.25%	17.53%	17.78%

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

ELECTRICAL DATA(NOCT)

Maximum Power-Pmax (Wp)	247W	251W	255W	259W	262W
Open Circuit Voltage-Voc (V)	44.87V	45.11V	45.24V	45.37V	45.50V
Short Circuit Current-Isc (A)	7.05A	7.13A	7.22A	7.31A	7.37A
Maximum Power Voltage-Vmp(V)	36.78V	36.98V	37.08V	37.19V	37.31V
Maximum Power Current-Imp(A)	6.72A	6.79A	6.88A	6.96A	7.02A

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Polycrystalline 156.75x156.75mm, 5 Bus bars
Cell configuration	72 Cells(6x12)
Module dimensions	1956x992x40mm
Weight	22KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 or IP68, 3 Diodes
Cable	4mm2(IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	27pcs/pallet

TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1000V(IEC)/600V(UL)
Max Series Fuse Rating	15A
Limiting Reverse Current	15A

PACKAGING CONFIGURATION

	40HQ	20GP
Number of modules per container	720pcs	270pcs
Package	27pcs/pallet,2pcs/carton	27pcs/pallet
Package Number	24pallets + 36carton	10pallets

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