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RT6S-P

72 Cells

Poly-crystalline

300-340W

Power output

17.53%

The Highest Efficiency

0~+5W

Tolerance

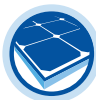
RT6S-P is a robust solar module with 72 solar cells. These modules can be used for on-grid solar applications. Our meticulous design and production techniques ensure a high-yield, long-term performance for every module produced. Our rigorous quality control and in-house testing facilities guarantee Restar Solar's modules meet the highest quality standards possible. RT6S-P have five instead of three bus bars, which allows more efficient current collection and can also improve long term performance. The RT6S-P 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. RT6S-P cells are PID free and further increase the cell efficiency allowing to increase the average module power distribution.



High module conversion efficiency (up to 17.53%), 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

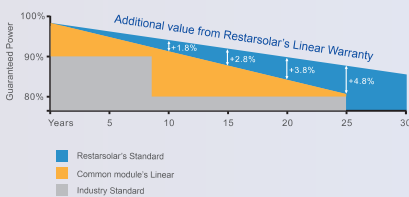


Excellent performance under low light environments (mornings, evenings and cloudy days)



Suitable for harsh environments, such as coasts, deserts and lakes. Withstand high level of wind loads (2400pa) and snow loads (5400pa)

0.5% Annual Degradation over 30 years



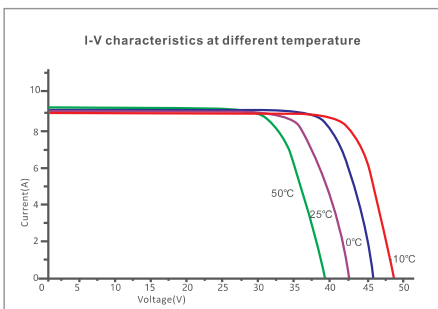
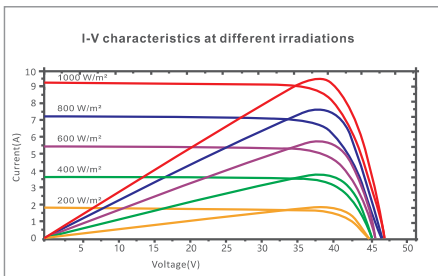
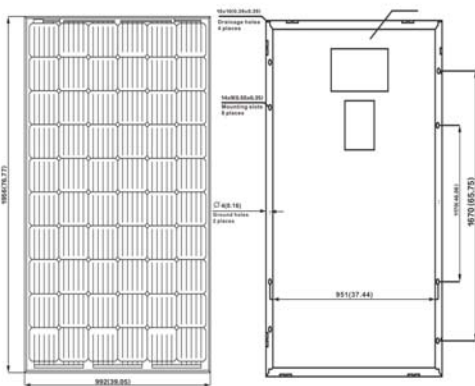
LINEAR PERFORMANCE WARRANTY
12 year Product Warranty / 30 year Linear Power Warranty

Full range of products and certification systems

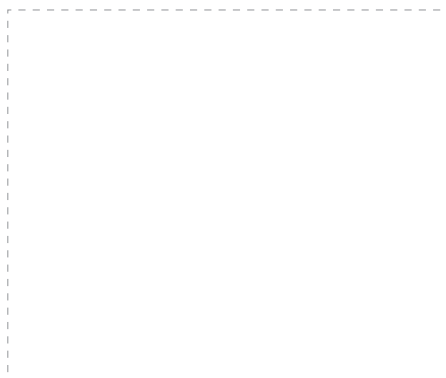
ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716



Dimension of PV Modules Unit: mm



Partner information



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	300W	305W	310W	315W	320W	325W	330W	335W	340W
Open Circuit Voltage-Voc(V)	45.3V	45.51V	45.71V	45.81V	45.9V	46.1V	46.4V	46.6V	46.8V
Short Circuit Current-Isc(A)	8.66A	8.82A	8.87A	8.97A	9.08A	9.15A	9.23A	9.3A	9.38A
Maximum Power Voltage-Vmp (V)	36.5V	36.5V	36.87V	37.06V	37.3V	37.5V	37.8V	38V	38.3V
Maximum Power Current-Imp(A)	8.22A	8.36A	8.50A	8.58A	8.61A	8.67A	8.74A	8.81A	8.88A
Module Efficiency (%)	15.46%	15.71%	15.97%	16.23%	16.49%	16.76%	17.03%	17.25%	17.53%

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)	227W	231W	235W	239W	243W	247W	251W	255W	259W
Open Circuit Voltage-Voc (V)	41.24V	44.33V	43.52V	44.43V	44.41V	44.87V	45.11V	45.24V	45.37V
Short Circuit Current-Isc (A)	6.65A	6.73A	6.80A	6.89A	7.01A	7.05A	7.13A	7.22A	7.31A
Maximum Power Voltage-Vmp (V)	35.86V	36.04V	36.27V	36.42V	36.40V	36.78V	36.98V	37.08V	37.19V
Maximum Power Current-Imp(A)	6.33A	6.41A	6.48A	6.56A	6.68A	6.72A	6.79A	6.88A	6.96A

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

MECHANICAL DATA

Solar cells	Polycrystalline 156 x 156mm, 5 Bus bars
Cell configuration	72 cells(6x12)
Module dimensions	1956 x 992 x40mm
Weight	22KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67
Cable	4mm ² (IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	26pcs/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	696pcs	260pcs
Package	26pcs/pallet,2pcs/carton box	26pcs/pallet
Package Number	24pallets + 36carton boxes	10pallets
Package Weight	600kg/pallet,46.2kg/carton box	600kg/pallet
Package Dimension	1980*1120*1130mm/pallet 1980*1020*90mm/carton box	1980*1120*1130mm/pallet