

RT6C-P

60 Cells

Poly-crystalline

250-285W

Power output

17.40%

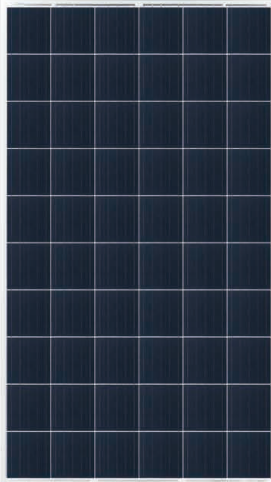
The Highest Efficiency

0~+5W

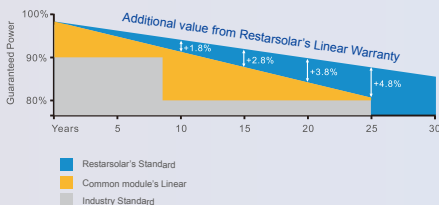
Tolerance

WWW.RESTARSOLAR.COM

RT6C-P 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 Restarsolar's modules meet the highest quality standards possible.



0.5% Annual Degradation over 30 years



High module conversion efficiency (up to 17.40%), 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)



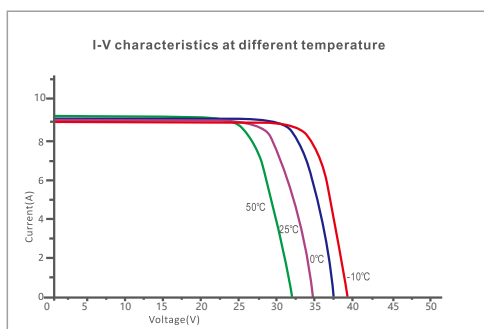
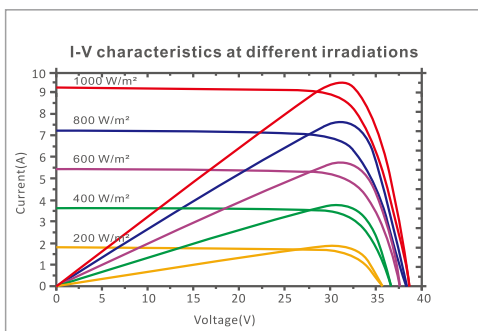
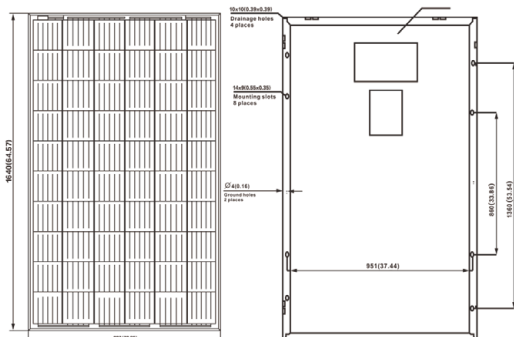
Suitable for harsh environments, such as coasts, deserts and lakes. Withstand high level of wind loads (2400pa) and snow loads (5400pa)

Full range of products and certification systems

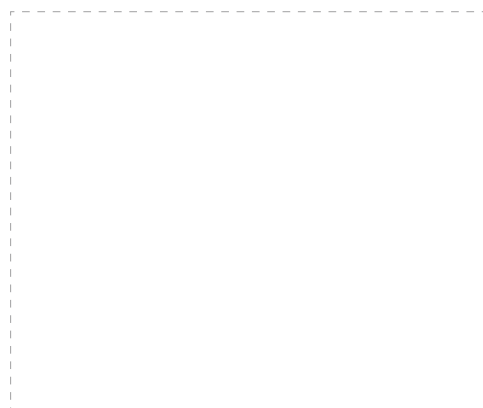
ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716



Dimension of PV Modules Unit: mm



Partner information



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	250W	255W	260W	265W	270W	275W	280W	285W
Open Circuit Voltage-Voc(V)	37.3V	37.5V	37.7V	37.8V	37.9V	38.1V	38.2V	38.3V
Short Circuit Current-Isc(A)	8.81A	8.88A	8.95A	9.01A	9.76A	9.32A	9.40A	9.49A
Maximum Power Voltage-Vmp(V)	29.9V	30.1V	30.3V	30.3V	30.7V	31.1V	31.4V	31.6V
Maximum Power Current-Imp(A)	8.36A	8.47A	8.58A	8.69A	8.79A	8.84A	8.92A	9.02A
Module Efficiency (%)	15.40%	15.70%	16.01%	16.32%	16.60%	16.80%	17.10%	17.40%

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)	185W	188W	192W	195W	198W	204W	208W	211W
Open Circuit Voltage-Voc (V)	34.5V	34.7V	34.9V	35.1V	35.4V	35.3V	35.4V	35.5V
Short Circuit Current-Isc (A)	7.01A	7.15A	7.20A	7.24A	7.29A	7.52A	7.59A	7.66A
Maximum Power Voltage-Vmp(V)	27.6V	27.8V	28.1V	28.3V	28.5V	28.8V	29.0V	29.2V
Maximum Power Current-Imp(A)	6.70A	6.76A	6.82A	6.89A	6.95A	7.09A	7.15A	7.23A

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

MECHANICAL DATA

Solar cells	Poly-crystalline 156 x 156mm, 5 Bus bars
Cell configuration	60cells(6x10)
Module dimensions	1640 x 992 x 40mm(64.6 x 39.1 x 1.57in)
Weight	19KGS
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	812pcs	312pcs
Package	26pcs/pallet,2pcs/carton box	26pcs/pallet
Package Number	28pallets + 42carton boxes	12pallets
Package Weight	490kg/pallet,37.8kg/carton box	490kg/pallet
Package Dimension	1680*1100*1120mm/pallet 1680*1020*90mm/carton box	1680*1100*1120mm/pallet