



RT6E-150P

36 Cells
 Poly-crystalline

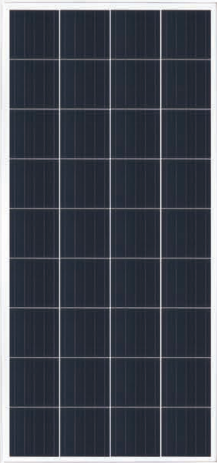
150W
 Power output

15.29%
 The Highest Efficiency

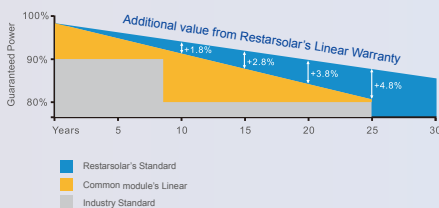
0~+5W
 Tolerance

WWW.RESTARSOLAR.COM

RT6E-150P is a robust solar module with 36 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 15.29%), 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)



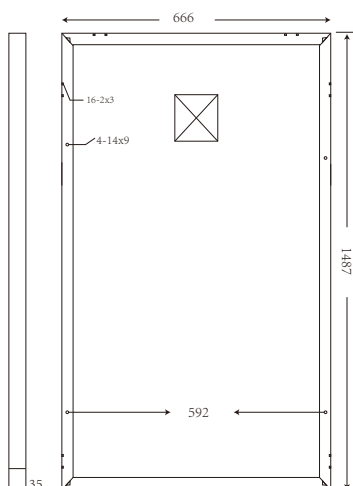
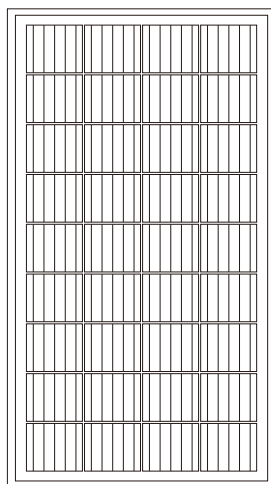
Suitable for harsh environments, such as coasts, deserts and lakes. Withstand high level of wind loads (2400pa) and snow loads (5400pa)

Full range of products and certification systems

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



Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	150W
Open Circuit Voltage-Voc(V)	22.3V
Short Circuit Current-Isc(A)	8.82A
Maximum Power Voltage-Vmp(V)	17.91V
Maximum Power Current-Imp(A)	8.38A
Module Efficiency (%)	15.29%

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)	111.24W
Open Circuit Voltage-Voc (V)	20.93V
Short Circuit Current-Isc (A)	6.93A
Maximum Power Voltage-Vmp(V)	17.22V
Maximum Power Current-Imp(A)	6.46A

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

MECHANICAL DATA

Solar cells	Poly-crystalline 156x156mm, 4 or 5 Bus bars
Cell configuration	36 cells(4x9)
Module dimensions	1487x666x35mm
Weight	11.5KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67, 6 Diodes
Cable	4mm ² (IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	2pcs/carton box

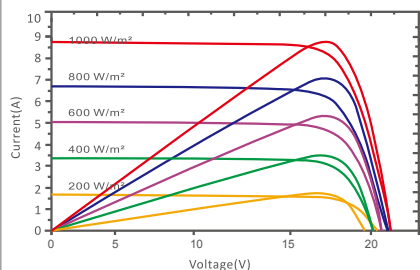
TEMPERATURE & MAXIMUM RATINGS

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	12A
Limiting Reverse Current	12A

PACKAGING CONFIGURATION

	40HQ	20GP
Number of modules per container	1680pcs	660pcs
Package	2pcs/carton box	2pcs/carton box
Package Weight	23kg/carton box	23kg/carton box
Package Number	840carton boxes	330carton boxes
Package Dimension	1500*700*80mm/carton box	1500*700*80mm/carton box

I-V characteristics at different irradiancies



I-V characteristics at different temperature

