

RT6S-P

72 Cells
Polycrystalline

300-345 W
Power output

17.78%
The Highest Efficiency

0~+5W
Tolerance

WWW.RESTARSOLAR.COM

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 Restarsolar Solar's modules meet the highest quality standards possible.



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

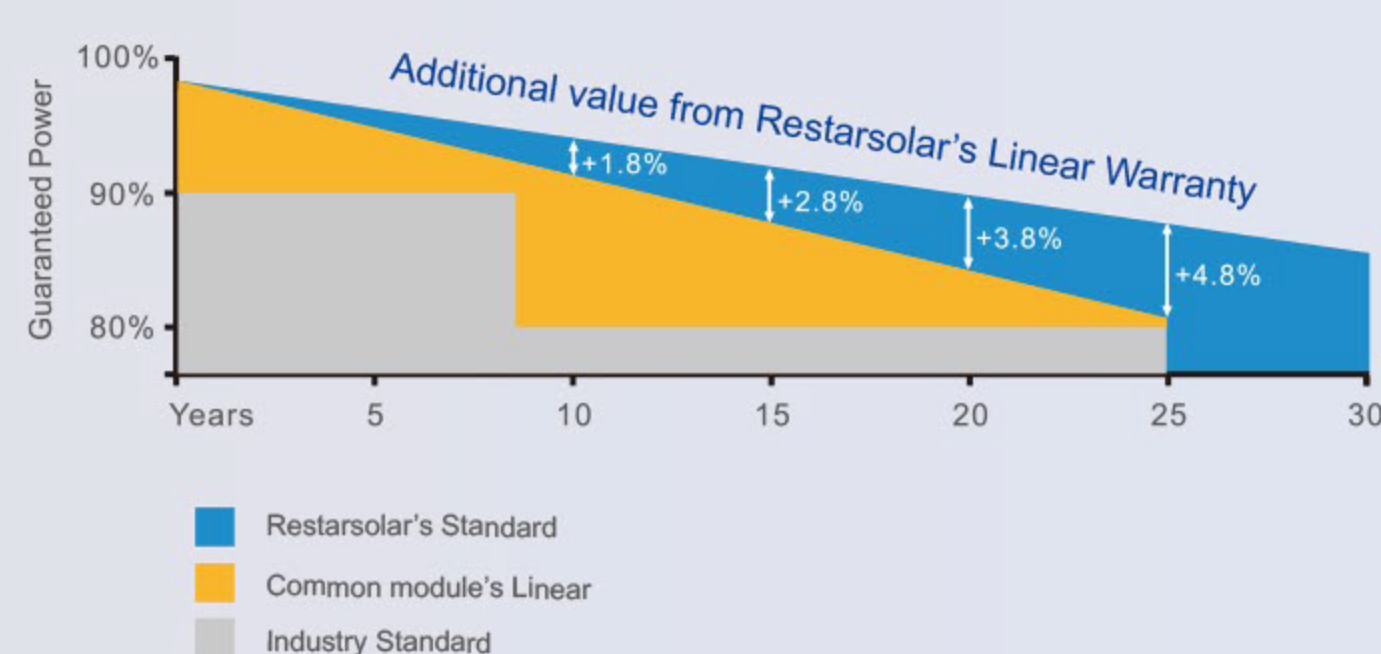


Excellent performance under low light environments (mornings, evenings and cloudy days)



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

0.5% Annual Degradation over 30 years



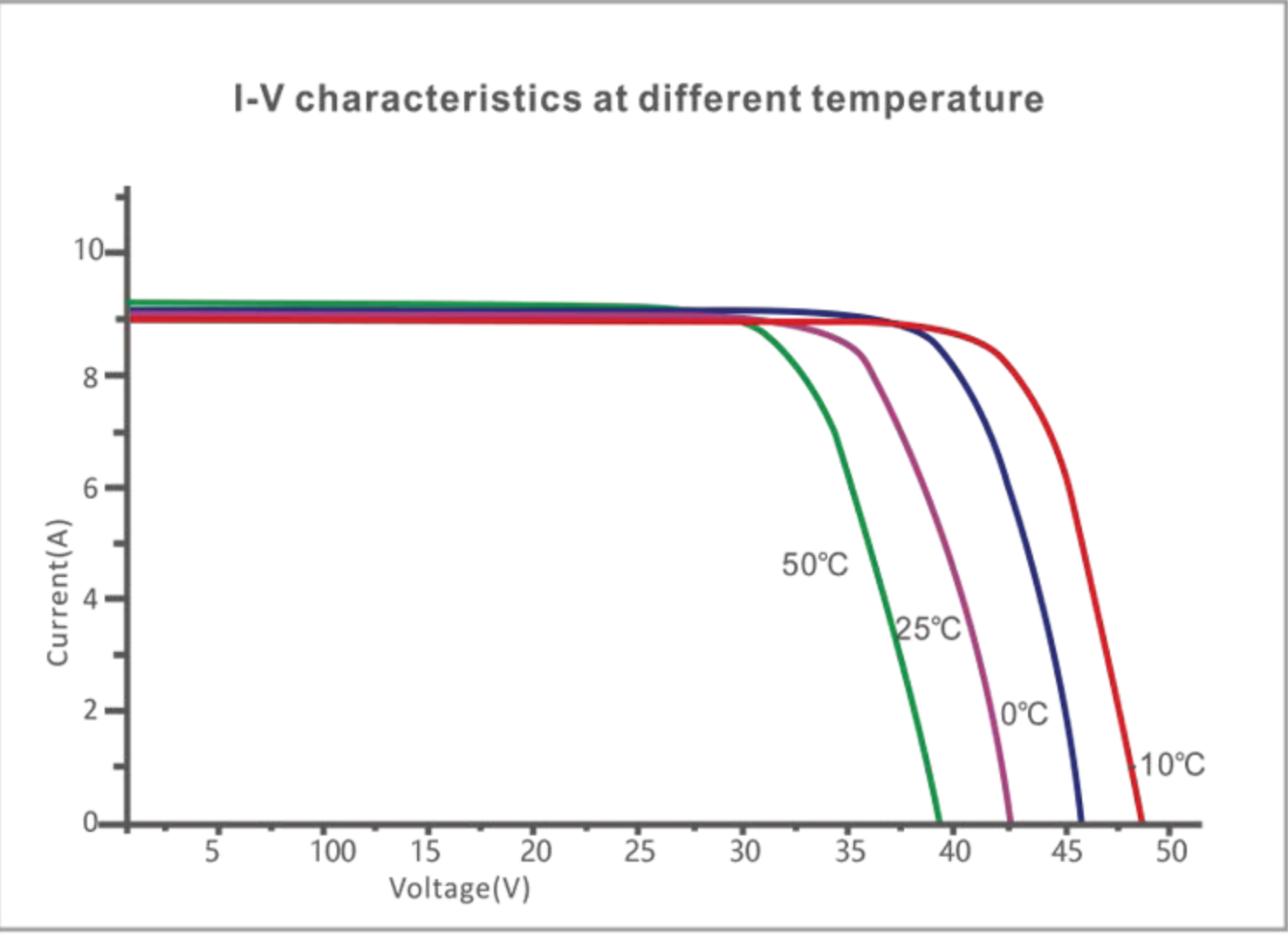
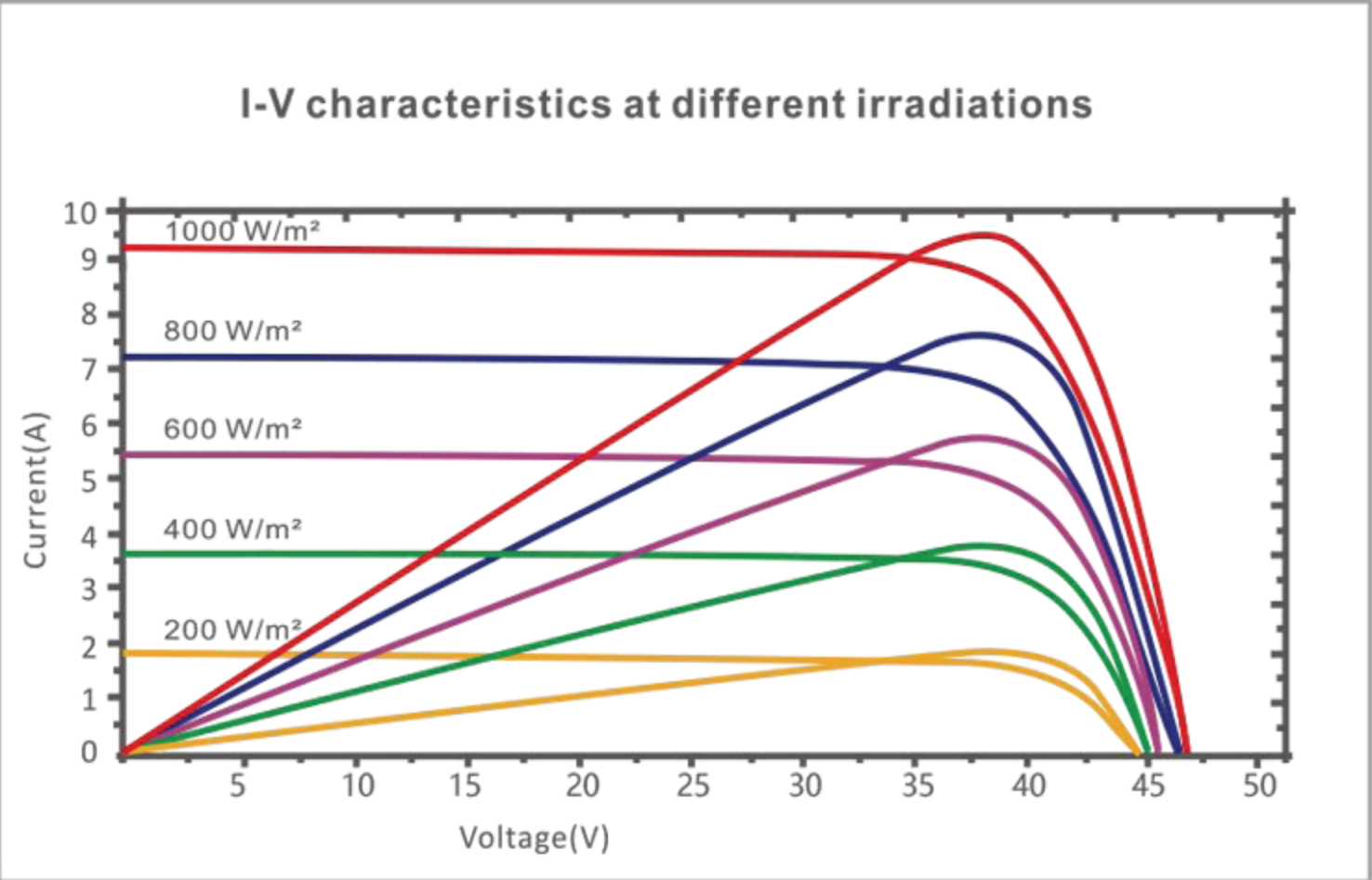
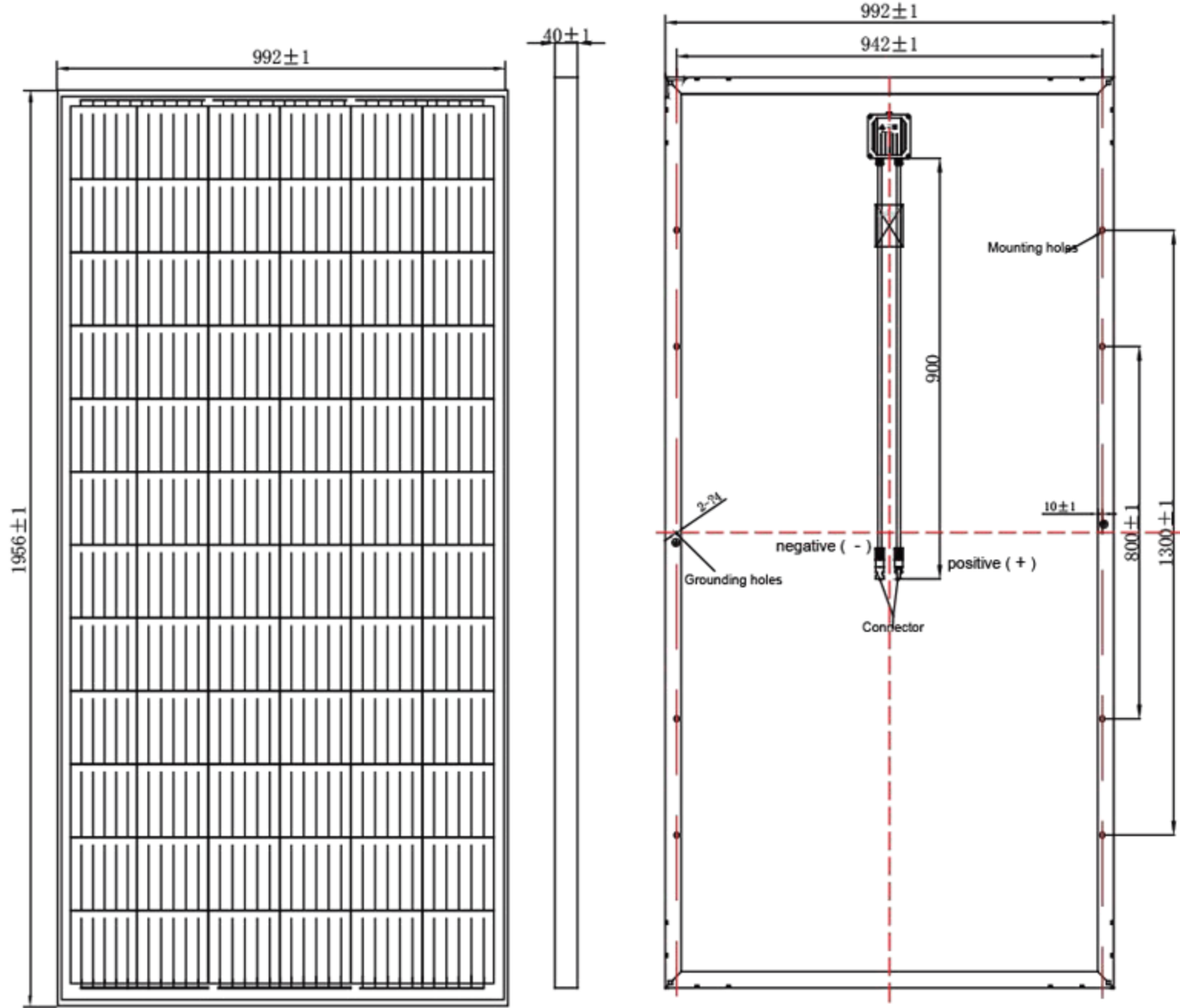
LINEAR PERFORMANCE WARRANTY
12 year Product Warranty / 30 year Linear Power Warranty

Full range of products and certification systems

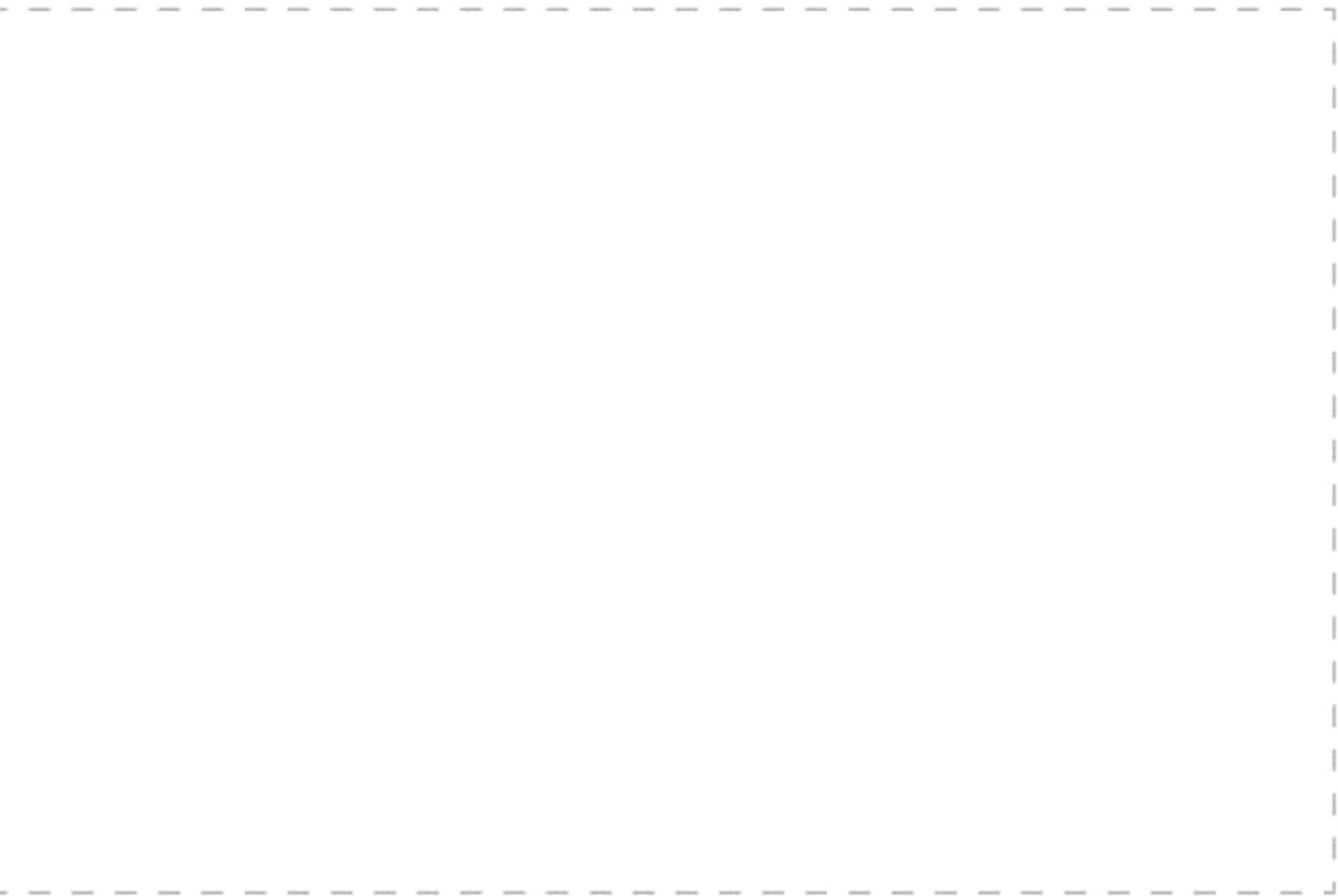
ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716



Dimension of PV Modules Unit: mm



Partner information



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	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	38.0V	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 156x156mm, 5 Bus bars
Cell configuration	72 Cells (6x12)
Module dimensions	1956*992*35 mm
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	31pcs/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	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40HQ	20GP
Modules per container	816 pcs	310 pcs
Package	31pcs/pallet, 2pcs/carton	31pcs/pallet
Package Number	24pallets + 36cartons	10pallets