

For a Free Quote:

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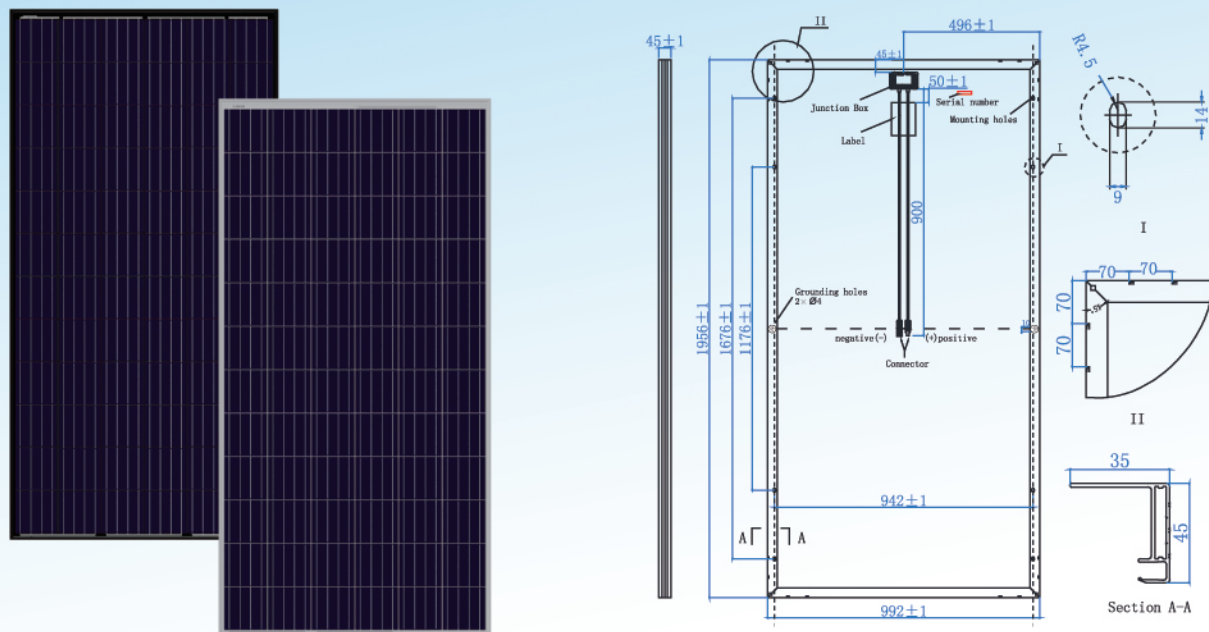
Email: **contact@energypal.com**



Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes



PR-320P6-72

Poly-Crystalline Solar Module
290-320 Watt 6inch 72cells



High conversion efficiency
High module efficiency to guarantee power output



Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.



Self-cleaning glass
Coating glass for self-cleaning, reduce surface dust



0 to +3% positive tolerance
Detailed information in Electrical Specifications



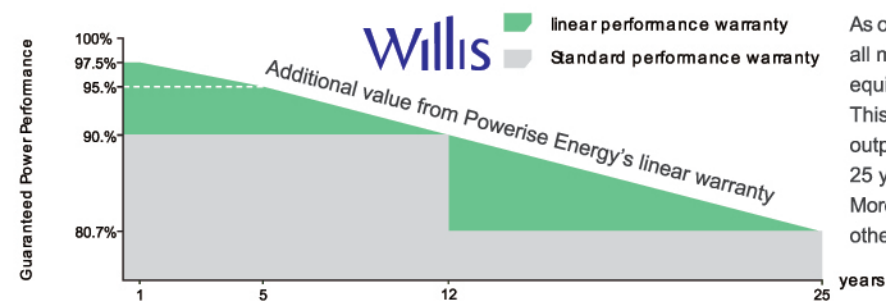
Outstanding low irradiation performance
Excellent module efficiency even in the weak light conditions, such as morning or cloudy



48-hour response service

LINEAR PERFORMANCE WARRANTY

25 years power output guarantee insured by the Willis insurance



As one of the first manufactures worldwide all modules from Powerise Energy are equipped with the new Willis insurance. This means you can rely on an insured output of 90% for 12 years and 80% for 25 years. More security cannot be achieved by any other insurance.

ELECTRICAL PERFORMANCE

All specified Parameters are at STC 25°C Ambient, 1000W/m² irradiance and AM 1.5

Type		PR-290P6-72	PR-295P6-72	PR-300P6-72	PR-305P6-72	PR-310P6-72	PR-315P6-72	PR-320P6-72
Power Output	Pmax(W)	290	295	300	305	310	315	320
Power Output Tolerance	Pmax(%)	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3
Max-Power Voltage	Vm(V)	35.9	36.0	36.1	36.2	36.3	36.4	36.5
Max-Power Current	Im(A)	8.08	8.20	8.31	8.43	8.54	8.66	8.79
Open-Circuit Voltage	Voc(V)	44.5	44.6	44.7	44.8	44.9	45.0	45.1
Short-Circuit Current	Isc(A)	8.62	8.74	8.85	8.96	9.08	9.10	9.11
Cell Efficiency	(%)	16.9	17.2	17.5	17.8	18.0	18.3	18.6
Module Efficiency	(%)	15.0	15.2	15.5	15.7	16.0	16.2	16.5

THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT(°C)	45±2
Temperature Coefficients of Pmax	(%/°C)	-0.420
Temperature Coefficients of Voc	(%/°C)	-0.304
Temperature Coefficients of Isc	(%/°C)	0.040

OPERATING CONDITIONS

Maximum System Voltage (VDC)	1000V(IEC)
Maximum Series Fuse (A)	15
Operating Temperature (°C)	-40~+85
Maximum Load(snow/wind)	5400pa/2400pa

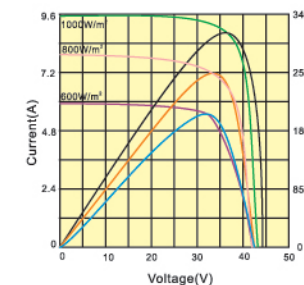
MECHANICAL CHARACTERISTICS

Solar cells(type/dimension)	Poly-Crystalline Silicon/156mm*156mm
Cells number	72pcs(6*12)
Front cover(material/thickness)	Low iron tempered glass/3.2mm
Backsheet(color)	White
Frame(material/color)	Anodized aluminum alloy/Silver
Junction box(protection degree)	≥ IP65
Cables/Plug Connector	Diameter 4mm ² , Length 900mm/MC4 or MC4 compatible
Module Dimension	1956×992×45mm
Module Weight	23kg

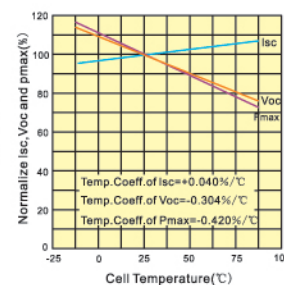
PACKING DETAILS

Container	20'GP	40'HQ
Pieces per pallet	46	50
Pallets per container	5	12
Pieces per container	230	600

Electrical performance
(cell temperature:25°C)



Temperature dependence of Isc, Voc and pmax



Irradiance dependence of Isc, Voc and pmax cell.temperature:25°C

