



ACTON POWER CO.,LIMITED

P72PCS-280W 290W 295W 300W Product Specification



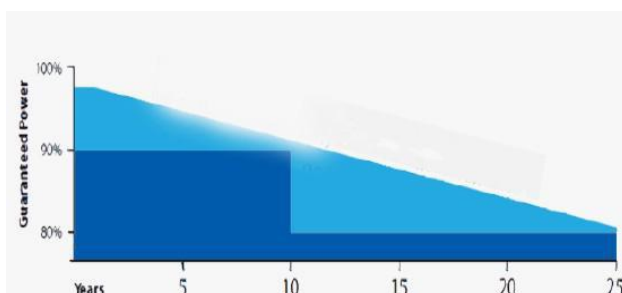
- Industry leading module power output warranty
- International quality, safety and performance
- High-reliability with guaranteed 0/+5 Wp peak power
- Manufacturing facility certified to ISO9001 Quality Management System standards
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirements of customers

CERTIFICATES

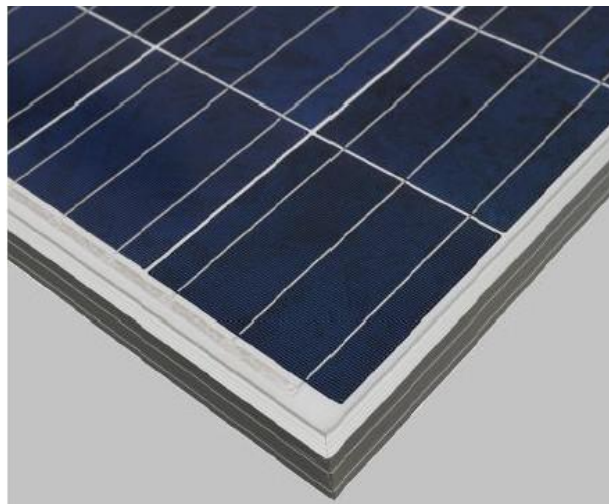


WARRANTIES

- 10 years for product defects in materials & workmanship
- 10 years for 90% of warranted minimum power output
- 25 years for 80% of warranted minimum power output



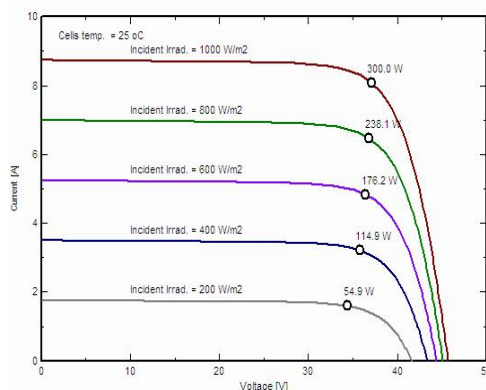
25 years linear warranty



Electrical parameters at Standard Test Conditions (STC:AM=1.5, 1000W/m², cells Temperature 25°C)

I-V CURVE

Typical Type	280W	290W	295W	300W
Max-Power (Pmax) w	280W	290W	295W	300W
Max-Power Voltage (Vmp)	35.67	35.89	36.04	36.19
Max-Power Current (Imp)	7.85	8.09	8.19	8.29
Open-Circuit Voltage (Voc)	44.4	45.5	45.59	45.67
Short-Circuit Current (Isc)	8.82	8.65	8.68	8.74
Max-System Voltage	DC1000V(TUV)/600V(UL)			
Module Efficiency (%)	14,43	14.94	15.2	15,46



MECHANICAL DATA

Dimensions	1956*992*50mm
Weight	23.3kgs
Front Glass	3.2 mm tempered glass
	TUV (2Pfg1169:2007)

Output Cables: 900mm²(0.006 inches²),
symmetrical lengths
1000 mm

Connectors: MC4 compatible IP67

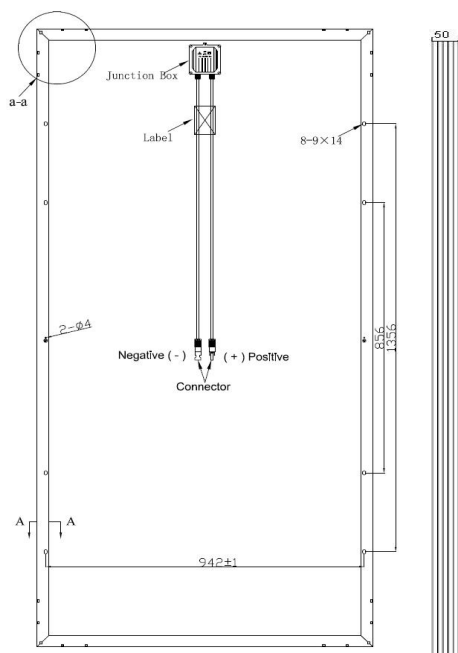
Temperature: (– 40 °C to + 85 °C)

TEMPERATURE CHARACTERISTICS

Pmax Temperature Coefficient	(-0.40%) / °C
Voc Temperature Coefficient	(-0.32%) / °C
Isc Temperature Coefficient	(+0.08%) / °C
Operating Temperature	(-40~+85)°C

Nominal Operating Cell Temperature (NOCT) 45 +2 °C

DIMENSIONS AND STRUCTURE



PACKING CONFIGURATION

Container	20'GP	40'GP	40'HQ
Pieces per Pallet	38	38	56
Pallets per Container	5	11	21/25
Pieces per Container	190	418	473

TESTS, CERTIFICATIONS AND WARRANTIES

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO 14001
Certifications	TUV, CE, MCS, PV CYCLE, CEC, CHUBB
Extreme wind and snow loads testing	withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal)
Positive tolerance	0~+3w
Junction Box	IP67 Rated
Warranties	10-year material and workmanship and 25-year output at least 80%.

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