

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

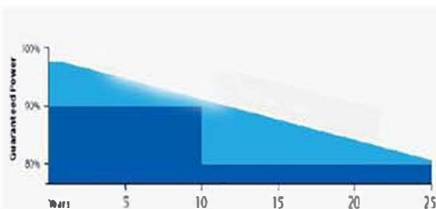
- Industry leading module power output warranty
- International quality, safety and performance certifications
- High-reliability with guaranteed 0/+5 Wp peak power
- Quality Management according to ISO9001 system standards
- Beautiful appearance, good durability & easy installation
- Special design 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



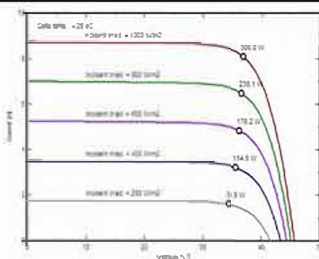
25 years linear warranty



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

Typical Type	280W	290W	295W	300W
Max-Power (Pmax) w	280W	290W	295W	300W
Max-Power Voltage (Vmp)	35.67	35.89	36.04	36.2
Max-Power Current (Imp)	7.85	8.09	8.19	8.29
Open-Circuit Voltage(Voc)	44.4	45.5	45.59	45.7
Short-Circuit Current (Isc)	8.82	8.65	8.68	8.74
Max-System Voltage	DC1000V(TUV)/600V(UL)			
Cell Efficiency (%)	16.45	17	17.3	17.6

I-V CURVE



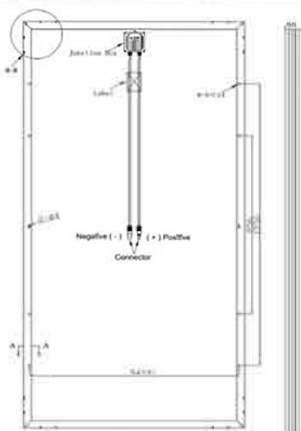
MECHANICAL DATA

Dimensions	1956*992*50mm
Weight	23kgs
Front Glass	3.2 mm tempered glass
	TUV (2Pfg1169:2007)
Output Cables:	4mm ² (0.006 inches ²), symmetrical lengths 900mm
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
Certifications	TUV, MCS
Extreme wind and snow loads testing	withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal)
Positive tolerance	0/+5w
Junction Box	≥ IP65
Warranties	10-year material and workmanship and 25-year output at least 80%.

