



SARONIC

Saronic (EU) Power Tech GmbH
ADD: Neuer wall 10, 20354 Hamburg Germany

P72PCS-290W 285W 280W 275W Product Specification



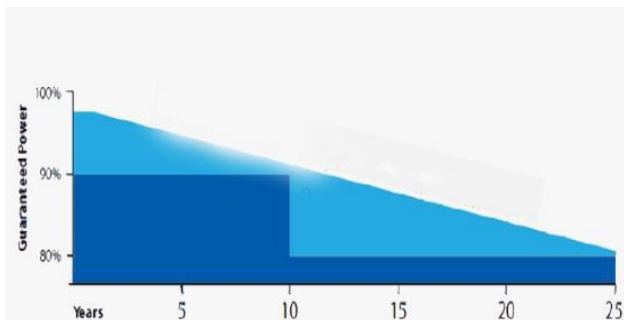
- Industry leading module power output warranty
- International quality, safety and performance certifications
- High-reliability with guaranteed 0/+5 Wp peak power
- Manufacturing facility certified to ISO9001 Quality Management System standards
- Beautiful appearance, good durability & easy installation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

CERTIFICATES

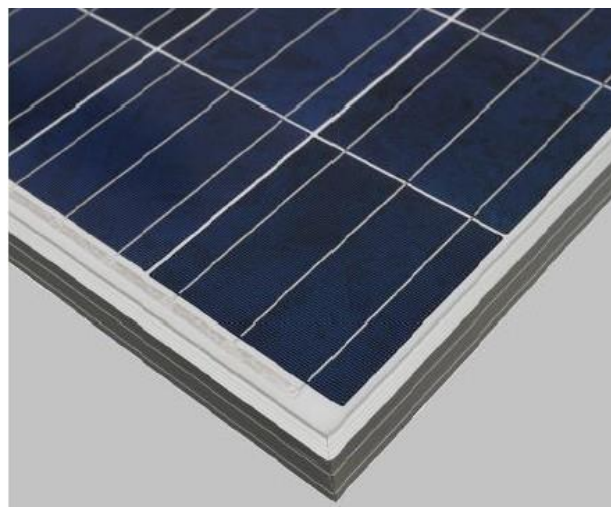


WARRANTIES

- 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



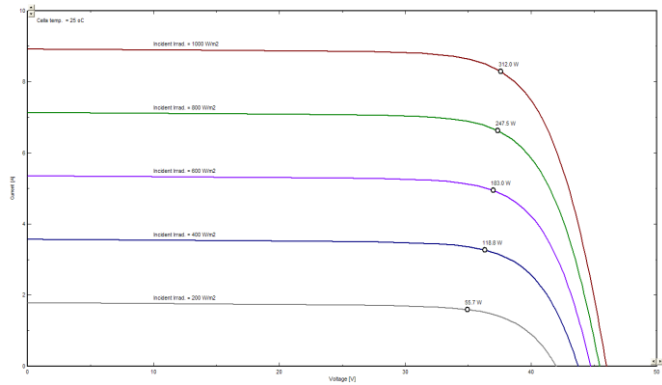
25 years linear warranty



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

I-V CURVE

Typical Type	290W	285W	280W	275W
Max-Power (Pmax) w	290W	285W	280W	275W
Max-Power Voltage (Vmp)	35.89	35.74	35.67	35.63
Max-Power Current (Imp)	8.09	7.98	7.85	7.72
Open-Circuit Voltage(Voc)	45.5	45.42	44.4	44.1
Short-Circuit Current (Isc)	8.65	8.6	8.82	8.73
Max-System Voltage	DC1000V			
Cell efficiency (%)	17	16.75	16.45	16.2



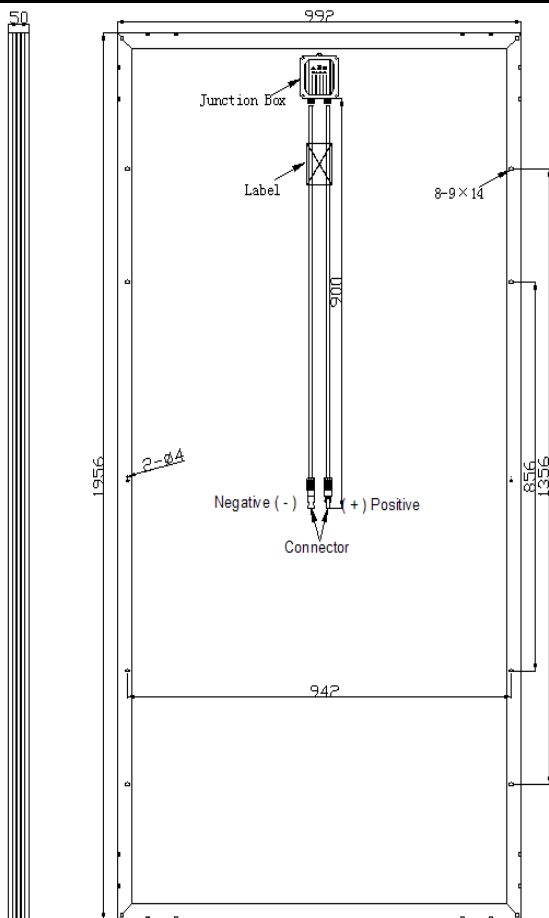
MECHANICAL DATA

Dimensions	1956*992*50mm
Weight	23kgs
Front Glass	3.2 mm tempered glass
	TUV (2Pfg1169:2007)
Output Cables:	900mm ² (0.006 inches ²), symmetrical lengths 1000 mm
Connectors:	MC4 compatible IP67
cell type:	Poly Crystalline silicon, 156mmx156mm
Number of cells:	72 cells in series

TEMPERATURE CHARACTERISTICS

Temp.Coeff.of Isc(TK Isc)	0.045% / °C
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / °C
Temp.Coeff of Pmax(TK Pmax)	(-0.47%) / °C
Operating Temperature	(-40~+85)°C
Nominal Operating Cell Temperature	45 +2 °C

DIMENSIONS AND STRUCTURE



PACKING CONFIGURATION

Container	20'GP	40'GP	40'HQ
Pieces per Pallet	38	38	46
Pallets per Container	5	11	11
Pieces per Container	190	418	506

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%.