



# SARONIC

Saronic (EU) Power Tech GmbH

ADD: Neuer wall 10, 20354 Hamburg Germany

## M72PCS-285W 280W 275W 270W Product Specification



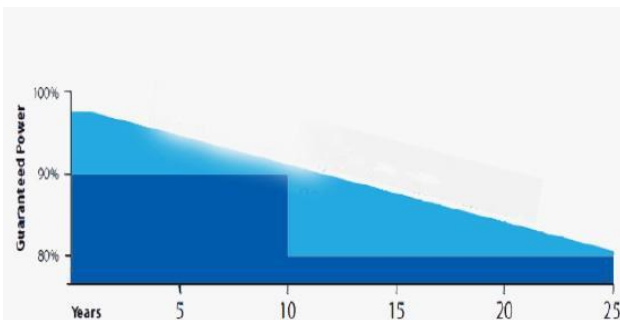
- Industry leading module power output warranty
- International quality, safety and performance certifications
- High-reliability with guaranteed 0/+5 Wp peak power
- Manufacturing facility certified to ISO9001 Quality Management System standards
- Beautiful appearance, good durability & easy installation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

### CERTIFICATES

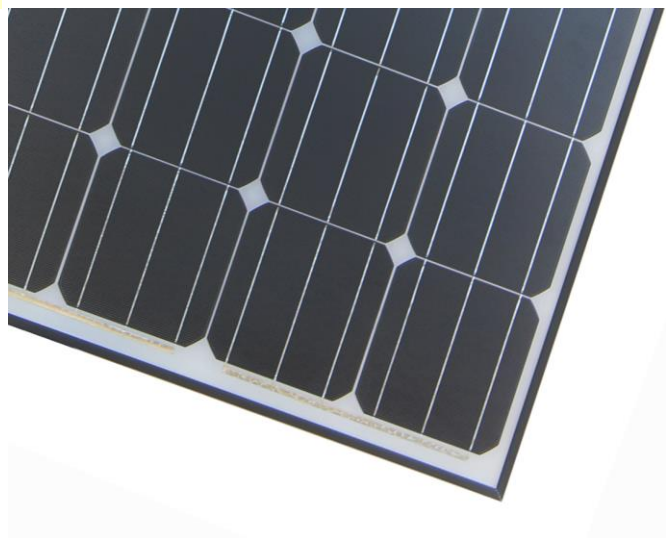


### WARRANTIES

- 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



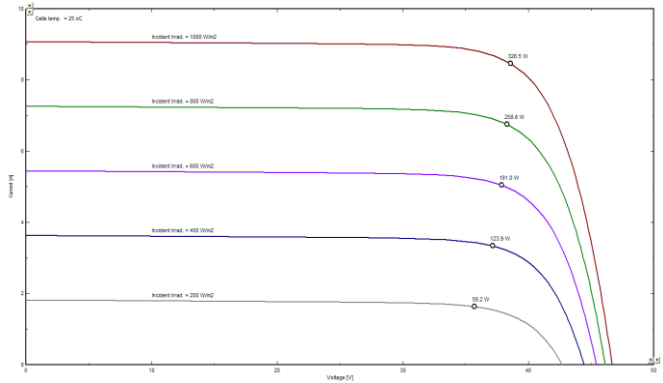
25 years linear warranty



**Electrical parameters at Standard Test Conditions**  
(STC:AM=1.5, 1000W/m<sup>2</sup>, cells Temperature 25 °C)

**I-V CURVE**

Typical Type	285W	280W	275W	270W
Max-Power (Pmax) w	285W	280W	275W	270W
Max-Power Voltage (Vmp)	36.62	36.53	36.36	36.15
Max-Power Current (Imp)	7.79	7.67	7.57	7.47
Open-Circuit Voltage (Voc)	45.52	45.04	44.57	44.07
Short-Circuit Current (Isc)	8.57	8.52	8.47	8.37
Max-System Voltage	DC1000V			
Cell efficiency (%)	17	16.6	16.3	16



**MECHANICAL DATA**

**TEMPERATURE CHARACTERISTICS**

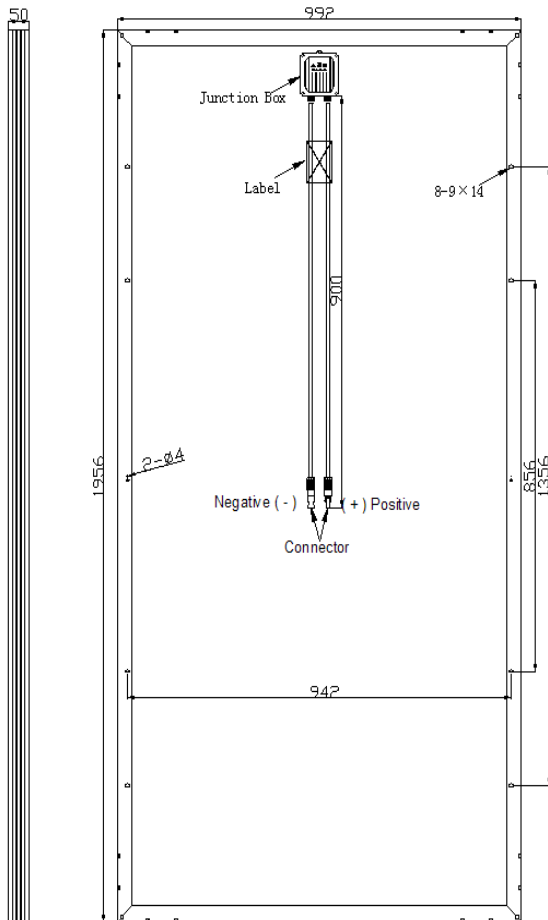
Dimensions	1956*992*50mm
Weight	23kgs
Front Glass	3.2 mm tempered glass
	TUV (2Pfg1169:2007)
Output Cables:	900mm <sup>2</sup> (0.006 inches <sup>2</sup> ), symmetrical lengths 1000 mm
Connectors:	MC4 compatible IP67
cell type:	Mono Crystalline silicon, 156mmx156mm
Number of cells:	72 cells in series

Temp.Coeff.of Isc(TK Isc)	0.037% / °C
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / °C
Temp.Coeff of Pmax(TK Pmax)	(-0.48%) / °C
Operating Temperature	(-40~+85) °C
Nominal Operating Cell Temperature	45 +2 °C

**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

**DIMENSIONS AND STRUCTURE**



**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%.