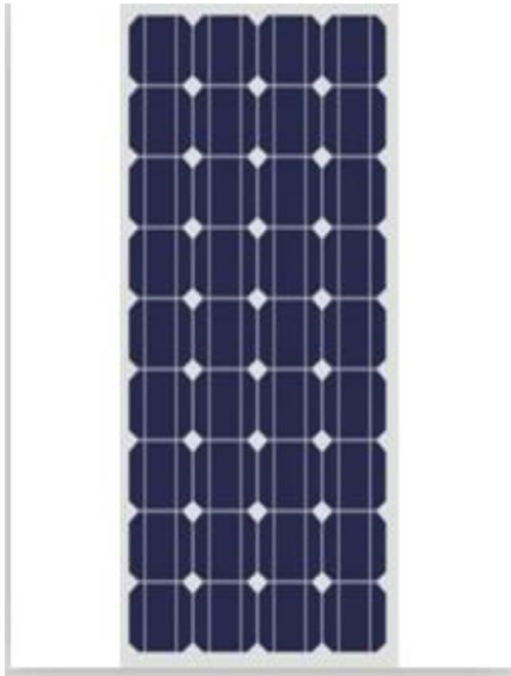




SARONIC

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

M36PCS-145W 140W 135W 130W Product Specification



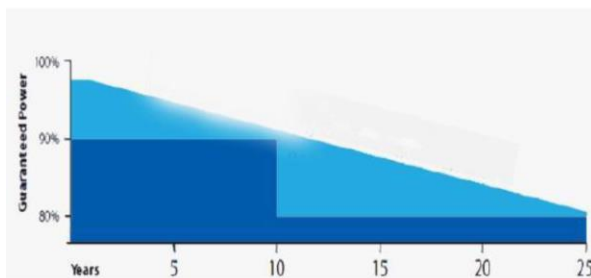
- Industry leading module power output warranty
- International quality, safety and performance certifications
- Manufacturing facility certified to ISO9001 (Quality Management System) standards
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirements 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

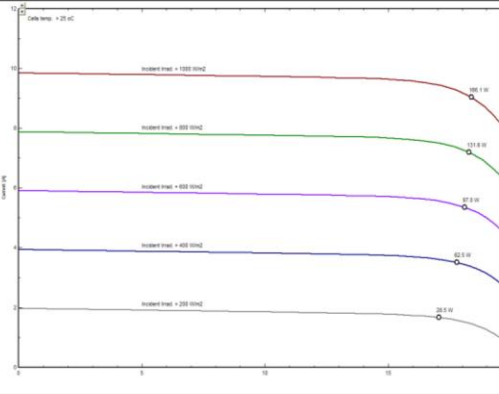


25 years linear warranty



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

Typical Type	145W	140W	135W	130W
Max-Power (Pmax) w	145W	140W	135W	130W
Max-Power Voltage (Vmp)	18.5	18.02	17.82	17.71
Max-Power Current (Imp)	7.84	7.77	7.58	7.34
Open-Circuit Voltage(Voc)	22.2	21.63	21.38	21.25
Short-Circuit Current (Isc)	8.86	8.87	8.56	8.29
Max-System Voltage	DC1000V			
Cell efficiency (%)	17.2	16.8	16	15.4

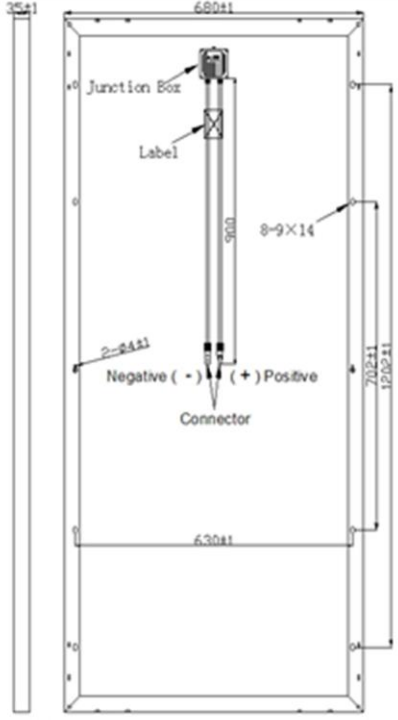


MECHANICAL DATA **TEMPERATURE CHARACTERISTICS**

Dimensions	1482*680*35mm
Weight	12kgs
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:	Mono Crystalline silicon, 156mmx156mm
Number of cells:	36cells in series

Temp.Coeff.of Isc(TK Isc)	0.03
Temp.Coeff.of Voc(TK Voc)	(-0.3
Temp.Coeff of Pmax(TK Pmax)	(-0.4
Operating Temperature	(-40-
Nominal Operating Cell Temperature	4!

DIMENSIONS AND STRUCTURE



PACKING CONFIGURATION

Container	20'GP	40'GP
Pieces per Pallet	64	64
Pallets per Container	7	15
Pieces per Container	448	960

TESTS, CERTIFICATIONS AND WARRANTIES

Standard tests	IEC 61215, IEC 6173
System certs	ISO 9001, ISO 14001
Certifications	TUV, CE, MCS, PV C, CHUBB
Extreme wind and snow loads testing	withstand extreme wind Pascal) and snow loads Pascal)
Positive tolerance	±3%
Junction Box	IP67 Rated
Warranties	10-year material and workmanship and 25- at least 80%.