

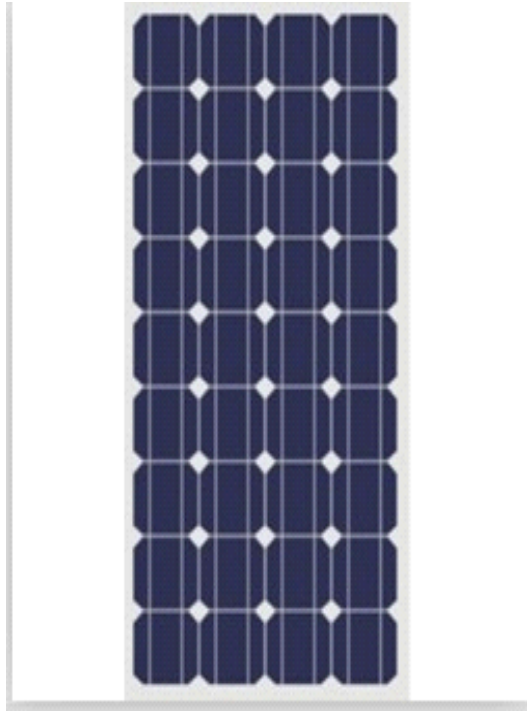


SUNTAS SOLAR ENGINEERS

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M36PCS-165W 160W 155W 150W Product Specification



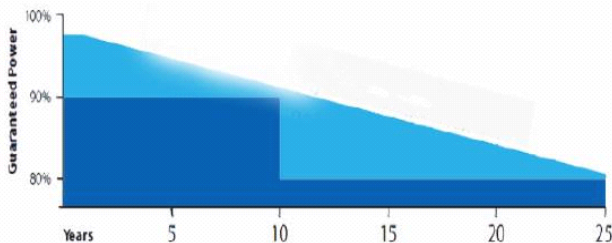
- Industry leading module power output warranty
- International quality, safety and performance certifications
- Manufacturing facility certified to ISO9001 Quality Management System standards
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirements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

CERTIFICATES

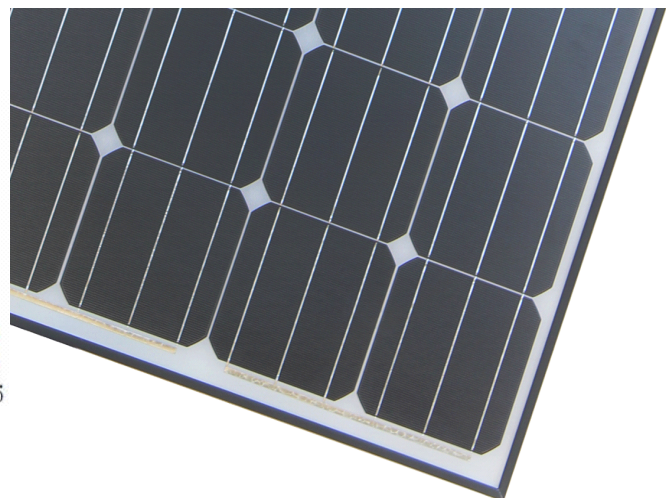


WARRANTIES

- 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



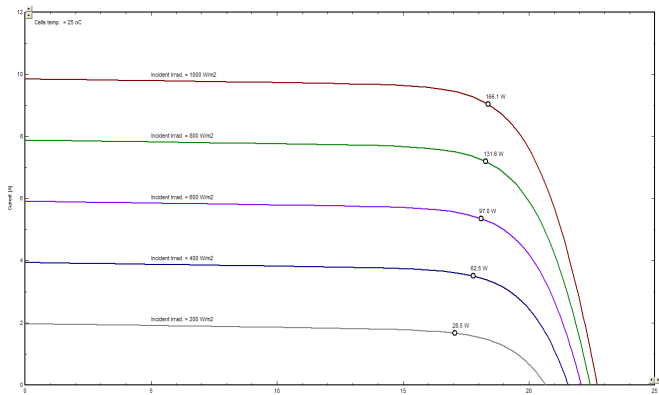
25 years linear warranty



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

I-V CURVE

Typical Type	165W	160W	155W	150W
Max-Power (Pmax) w	165W	160W	155W	150W
Max-Power Voltage (Vmp)	18.92	18.89	18.66	18.6
Max-Power Current (Imp)	8.72	8.47	8.3	8.06
Open-Circuit Voltage(Voc)	22.71	22.67	22.39	22.3
Short-Circuit Current (Isc)	9.85	9.57	9.37	9.1
Max-System Voltage	DC1000V			
Cell efficiency (%)	19.75	19.16	18.56	18



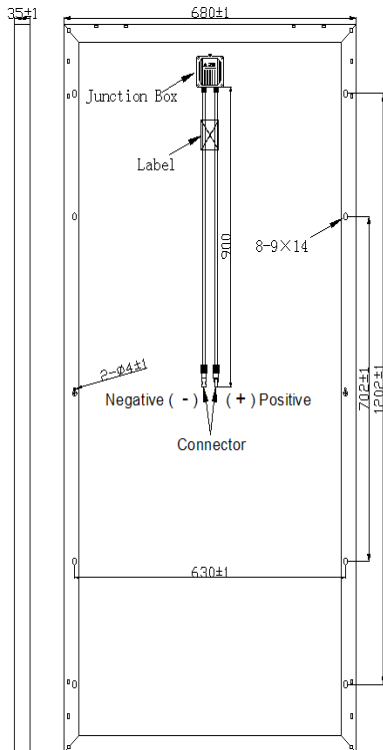
MECHANICAL DATA

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

TEMPERATURE CHARACTERISTICS

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

DIMENSIONS AND STRUCTURE



PACKING CONFIGURATION

Container	20'GP	40'GP	40'HQ
Pieces per Pallet	64	64	80
Pallets per Container	7	15	15
Pieces per Container	448	960	1200

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-+3%
Junction Box	≥IP65 Rated
Warranties	10-year material and workmanship and 25-year output at least 80%.