



# SUNTAS SOLAR ENGINEERS

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## P36PCS-155W 150W 145W 140W Product Specification



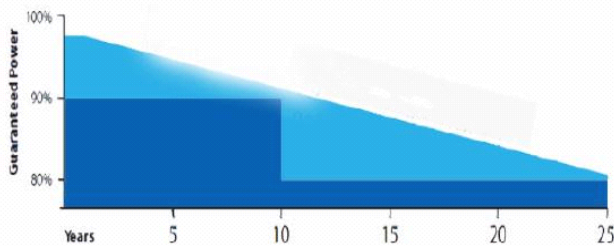
- Industry leading module power output warranty
- International quality, safety and performance certifications
- Manufacturing facility certified to ISO9001 Quality Management System standards
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirements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

### CERTIFICATES

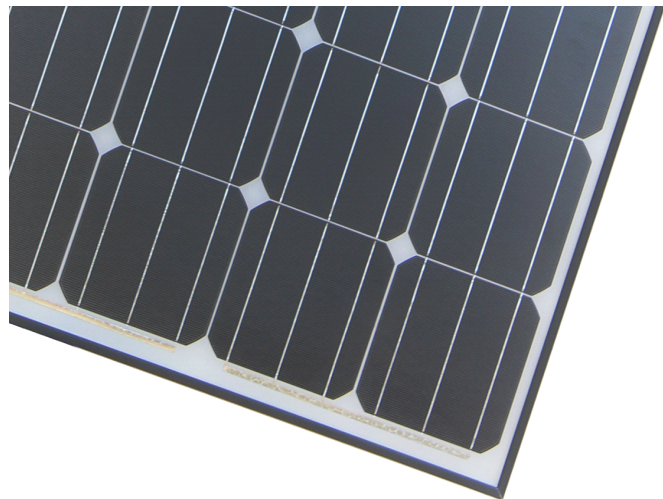


### WARRANTIES

- 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

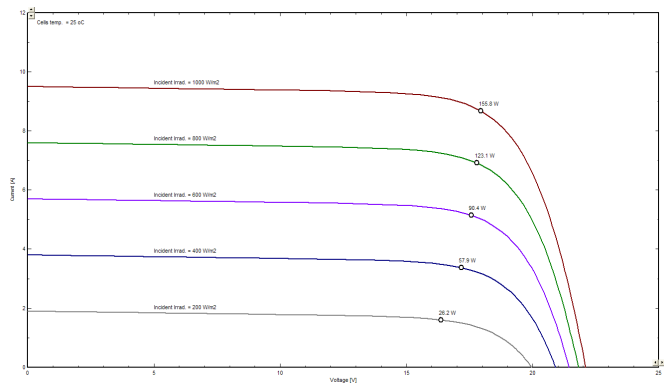


## Electrical parameters at Standard Test Conditions

(STC:AM=1.5, 1000W/m<sup>2</sup>, cells Temperature 25 °C)

## I-V CURVE

Typical Type	155W	150W	145W	140W
Max-Power (Pmax) w	155W	150W	145W	140W
Max-Power Voltage (Vmp)	18.42	18.23	17.8	17.6
Max-Power Current (Imp)	8.41	8.22	8.15	7.95
Open-Circuit Voltage(Voc)	22.1	21.87	21.96	21.96
Short-Circuit Current (Isc)	9.5	9.28	8.5	8.41
Max-System Voltage	DC1000V			
Cell efficiency (%)	18.22	17.64	17.05	16.46



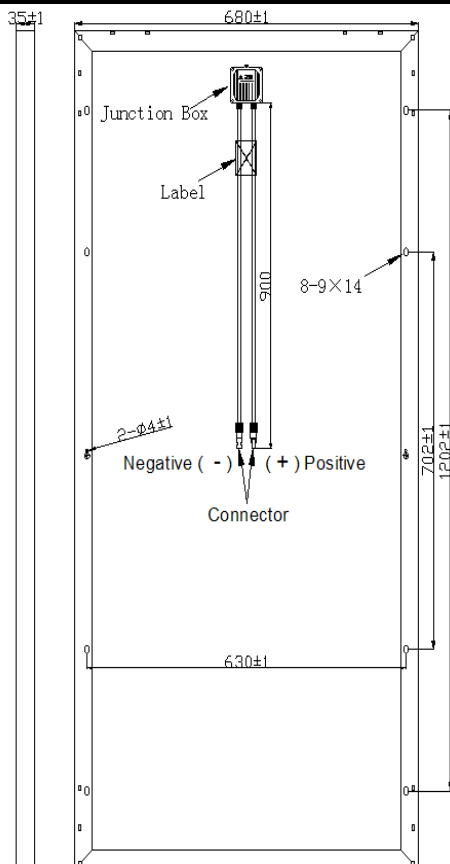
## MECHANICAL DATA

Dimensions	1482*680*35mm
Weight	12kgs
Front Glass	3.2 mm tempered glass
	TUV (2Pfg1169:2007)
Output Cables:	4mm <sup>2</sup> (0.006 inches <sup>2</sup> ), symmetrical lengths 900 mm
Connectors:	MC4 compatible IP67
cell type:	Poly Crystalline silicon, 156mmx156mm
Number of cells:	36 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	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	≥65 Rated
Warranties	10-year material and workmanship and 25-year output at least 80%.