

P60PCS

280W/270W/265W/260W/255W/250W

Poly-Crystalline Photovoltaic Module



Positive power tolerance
0~+5 W



Withstand strong snow load
5400 Pa / wind load 2400 Pa



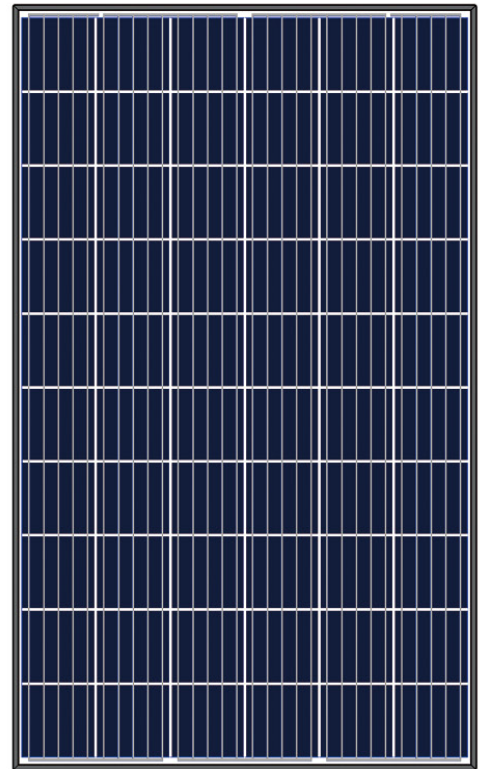
Excellent low light performance
3.5% relative eff.reduction at low-irradiance (200W/m²)



100% EL inline inspection
Better module reliability



Ammonia & salt resistance
According to IEC 62716 IEC61701 IEC61215 IEC61730



Reliability & Certification

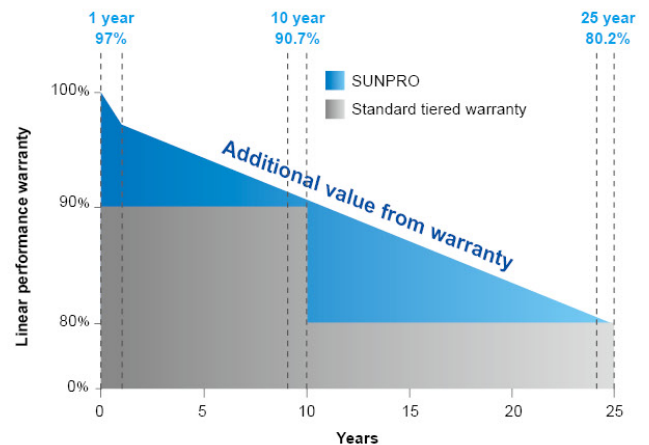
Product Guarantee: **10-year**

Linear Performance Warranty

10-year : 90.7% power output

25-year : 80.2% power output

TUV, CE, MCS, UL 1703, CEC



Product Specification

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m², Cells Temperature 25°C)

Typical type	280W	270W	265W	260W	255W	250W
Max power(Pmax)	280	270	265	260	255	250
Max power voltage(Vmp)	32.15	31.47	31.12	30.82	30.73	30.65
Max power current(Imp)	8.71	8.58	8.52	8.44	8.3	8.16
Open circuit voltage(Voc)	38.76	37.81	37.33	36.97	36.85	36.75
Short circuit current(Isc)	9.28	9.11	9.03	8.94	8.79	8.64
Cell efficiency(%)	19.55	18.86	18.51	18.34	17.98	17.60
Module Efficiency(%)	17.21	16.59	16.28	15.98	15.67	15.37
Max system voltage	DC 1000V(TUV)/600V(UL)					
Maximum Series Fuse Rating	15A					

Mechanical Data

Item	Specification
Dimensions	1640×992×35mm (64.57×39.06×1.38 inch)
Weight	18kgs
Front glass	3.2 mm tempered glass
Output cables	4 mm ² symmetrical lengths 900 mm
Connectors	MC4 compatible IP67
Cell type	Poly Crystalline Silicon 156.75 mm x 156.75 mm
Number of cells	60 cells in series

Temperature Characteristics

Item	Specification
Temp.Coeff.of Isc(TK Isc)	0.046% / °C
Temp.Coeff.of Voc(TK Voc)	-0.31% / °C
Temp.Coeff.of Pmax(TK Pmax)	-0.43% / °C
Operating temperature	-40~+85°C
Normal operating cell temperature	45±2°C

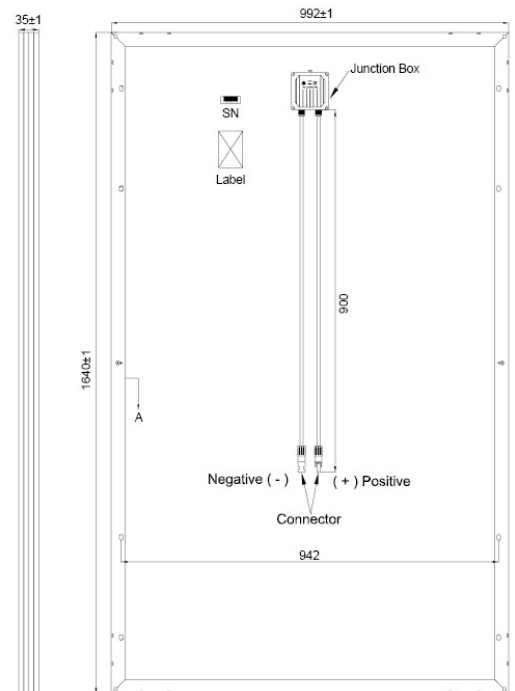
Packing Configuration

Item	Specification		
Container	20'GP	40'GP	40'HQ
Pieces per pallet	60	52	60
Pallets per container	6	14	14
Pieces per container	360	728	840

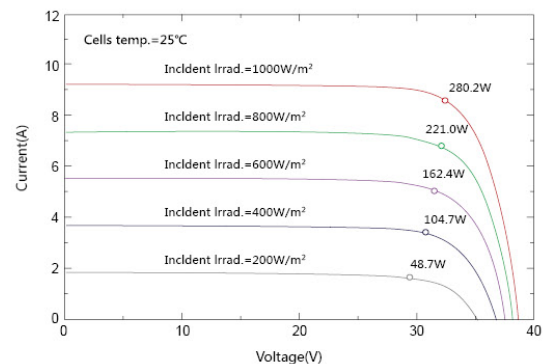
Tests, Certifications and Warranties

Item	Specification
Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications	CQC,TUV,CE,MCS,CEC,CHUBB,PPP58042 B,Salt Mist&Ammonia Proof,PID FREE
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Positive tolerance	0~+5 W
Junction box	IP67
Warranties	10 years product warranty and 25 years 80% of power

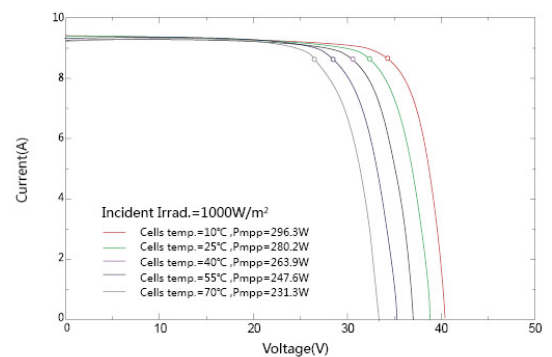
Dimensions and Structure



I-V Curve



I-V Curves at different irradiance



I-V Curves at different temperature

SUNPRO POWER CO.,LTD

Add: Qinggang Industrial Zone, Yuhuan,
Zhejiang, 317606, China

Tel: +86-576-80730906
Fax: +86-576-80730906

E-mail: info@sunpropower.com
Web: www.sunpropower.com