WSOLAR
solar power solutions

WS-P275~290

POLY-CRYSTALLINE MODULES

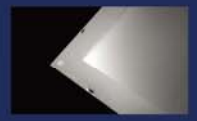


Features

- **10**years, **12**years, **30**years lifetime Warranty.
- Positive tolerance **0~+3%** ensures power output.
- Performance double warranted by **Zurich** Insurance.
- **CPK>1.33**, ensured module quality.
- Module can bear snow loads up to **5400Pa** and wind loads up to **3800Pa**.







WSOLAR is a high tech company focusing on production of solar cells and modules.We strictly carry on quality control system ISO9001 and every module is with the qualifications of CE, TUV, UL, IEC61215, IEC61730, PV CYCLE and MCS etc... Most of our modules are applied in residential, commercial and industrial projects by on-grid and off-grid systems throughout the world, bringing clean and sustainable energy for everyone.

WS-P275~290

Specifications

Model type	WS-P275	WS-P280	WS-P285	WS-P290
Peak power - Pmax (W)	275	280	285	290
Open circuit voltage - Voc (V)	44.0	44.6	44.6	44.6
Maximum power voltage - Vmp (V)	35.5	36.0	36.0	36.0
Short circuit current - Isc (A)	8.30	8.40	8.55	8.61
Maximum power current - Imp (A)	7.75	7.78	7.92	8.05
Cell efficiency μc (%)	16.17	16.46	16.75	17.05
Module efficiency μm (%)	14.17	14.42	14.68	14.92
Maximum system voltage	1000V DC			
Maximum series fuse rating	15A			
Power tolerance	0~+3%			
Temperature coefficients of Pmax	-(0.4+0.05)%/℃			
Temperature coefficients of Voc	-(115+5)mV/℃			
Temperature coefficients of Isc	(0.08±0.015)%/℃			
Nominal operating cell temperature	47±2℃			

Standard testing condition (STC): Irradiance 1000W/m², Temperature: 25℃, AM=1.5

Qualification test parameters

Operating temperature	-40 ℃ to +85 ℃
Storage temperature	-40 ℃ to +85 ℃
Pressure bearing	≥5400 Pascal
Wind bearing	≥3800 Pascal

Packing configuration

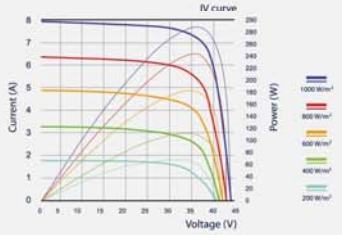
Container	20'GP	40'GP	40'HQ
Pieces per pallet	20	20	22
Pallets per container	12	26	26
Pieces per container	240	520	572

Mechanical characteristics

Cell size	Poly 156*156 (6inch)
No. of cells	72pcs (6*12)
Dimension	1957*992*50mm
Weight	22.5kg
Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized aluminum alloy
Junction box	MC4 connector, TUV certified
Internal diodes	6 bypass diodes
Cable	Section: 4.0mm² Length: 900mm

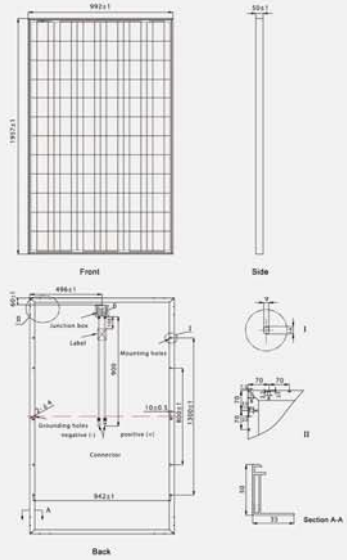
Electrical performance

Cell temperature 25℃



Product dimension

Unit: mm



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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