

Product Features



Positive tolerance

Guaranteed tolerance +3%
Reliable power output



High module efficiency

Module efficiency up to 15.7%
Cells efficiency up to 17.8%



Strong compressive strength

Certified to withstand high wind of 2400Pa
and snow loads of 5400Pa



High manufacture standards

certified to high standards by the
most reputable labs According to
IEC:61215: IEC:61730-1/2



International Management System

Manufactured and certified according
to ISO9001, Quality management system



Fire test approved

Application class A, Safety Class II, Fire Rating C



Excellent performance under extreme condition

High salt mist and ammonia resistance

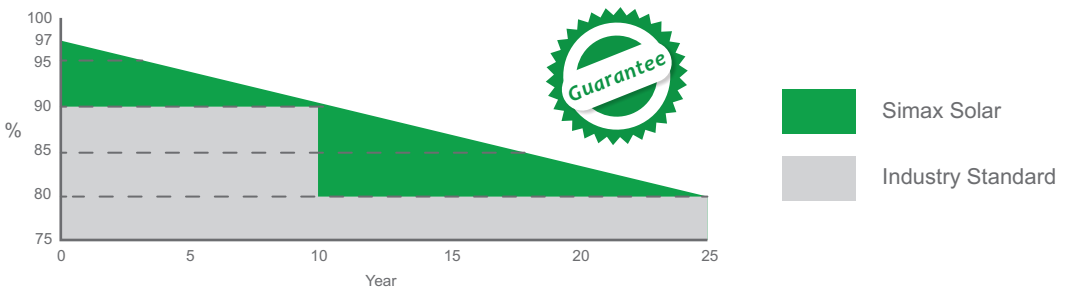


Reliable quality forever

Without potential induced
degradation (PID-free)

Leading Warranty in PV Industry

- 25 year transferrable power output warranty: 10 years / 90%, 25 years / 80%
- Linear performance warranty from SIMAX Power
- 12 year material and workmanship warranty



* Please refer to Simax Solar Product Warranty for details.



Photon

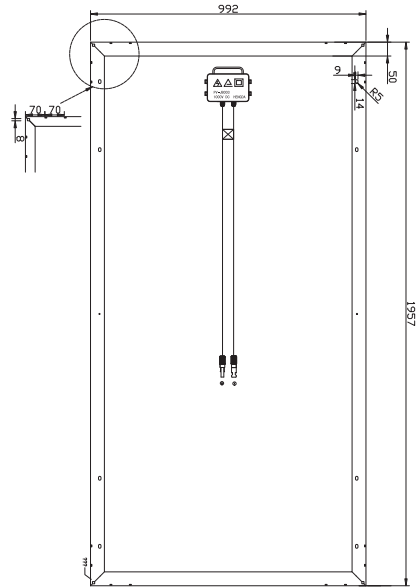


Electrical Characteristics

Parameters	SP672-280		SP672-285		SP672-290		SP672-295		SP672-300	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak power [Wp] P _{mpp}	280W	208W	285W	212W	290W	215W	295W	219W	300W	226W
Open circuit voltage [V] V _{oc}	44.4	44.7	44.4	45.0	44.4	45.3	45.0	45.5	45.0	45.8
Maximum Power Voltage [V] (V _{mpp})	29.5	37.2	35.8	37.4	35.8	37.4	36.3	37.8	36.3	38.0
Maximum Power Current [A] (I _{mpp})	7.82	5.59	7.96	5.65	8.10	5.76	8.13	5.79	8.26	5.95
Short circuit Current [A] (I _{sc})	8.45	5.94	8.60	5.99	8.71	6.06	8.78	6.12	8.93	6.25
Power Tolerance	0~+3%		0~+3%		0~+3%		0~+3%		0~+3%	
Module Efficiency (%)	14.5%		14.7%		14.9%		15.3%		15.5%	

STC: Irradiance : 1000 W/m² ; Spectrum AM 1.5; Cell temperature: 25°C; Wind 0 m/s

NOCT: Irradiance: 800W/m² ; Spectrum AM 1.5; ambient temperature 20°C, wind speed 1 m/s



Mechanical Characteristics

Solar Cell	Polycrystalline silicon 156 x 156 (mm)
No. of Cells	72 (6 x 12)
Dimensions	1956 x 992 x 40 mm
Weight	22.5 kg
Front Glass	3.2mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy

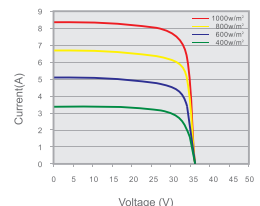
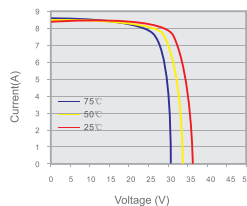
Output

Cable Type	Ø = 4 mm ²
Lengths	L = 900 mm
Junction Box	PV - JB001 MC4

Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient of (P _{max})	-0.39% / °C
Temperature Coefficient of (V _{oc})	-0.34% / °C
Temperature Coefficient of (I _{sc})	0.035% / °C

- Provide the best solutions for photovoltaic power generation and technical support
- Provide Cost-effective products
- Provide 12 Years Quality Warranty
- Power out ≥ 90% in 10 years
- Power out ≥ 80% in 25 years



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