

## 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

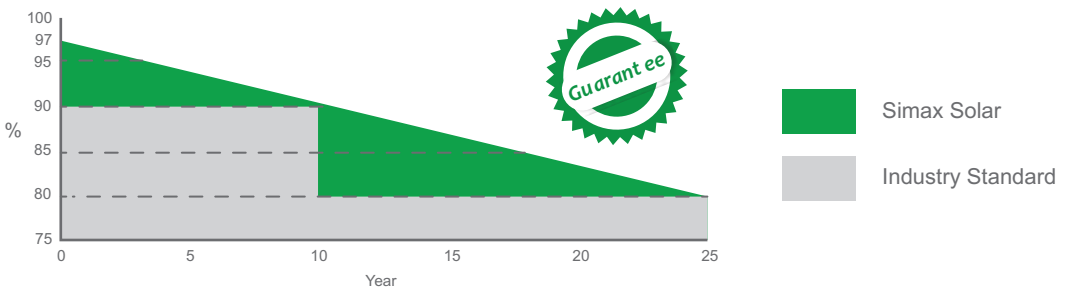


### Reliable quality forever

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.

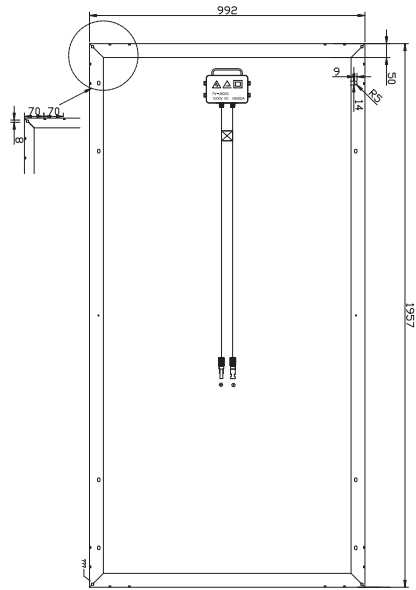


## Electrical Characteristics

Parameters	SP672-280		SP672-285		SP672-290		SP672-295		SP672-300		SP672-305		SP672-310	
	STC	NOCT	STC	NOCT	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	305W	224W	310W	228W
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	45.2	45.8	45.5	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	36.5	38.0	36.8	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	8.35	5.91	8.42	6.05
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	8.95	6.89	9.01	7.21
Power Tolerance	0~+3%		0~+3%		0~+3%		0~+3%		0~+3%		0~+3%		0~+3%	
Module Efficiency (%)	14.5%		14.7%		14.9%		15.3%		15.5%		15.7%		16.0%	

STC: Irradiance : 1000 W/m<sup>2</sup> ; Spectrum AM 1.5; Cell temperature: 25°C; Wind 0 m/s

NOCT: Irradiance: 800W/m<sup>2</sup> ; 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

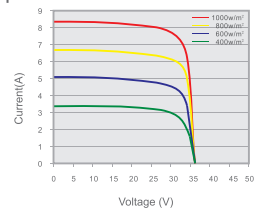
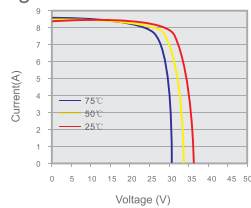
## Output

Cable Type	Ø = 4 mm <sup>2</sup>
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



Global standby to ensure response within 24 hours  
Australia and Europe office were established to give better services to customers

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