Product Features

Positive tolerance
Guaranteed tolerance +3%
Reliable power output

High module efficiency
Module efficiency up to 16.5%
Cells efficiency up to 18.5%

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

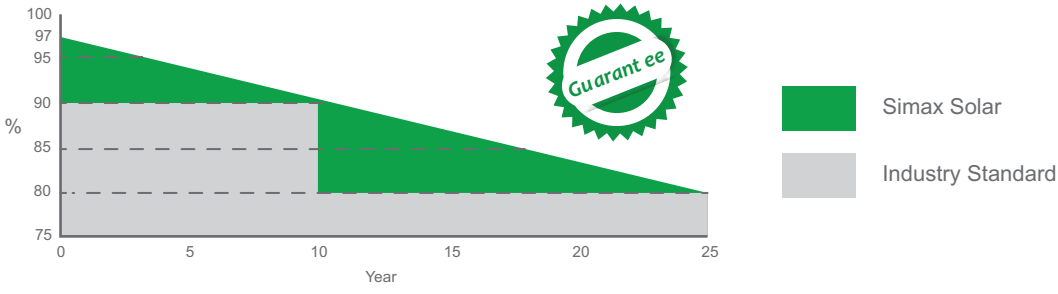
Fire test approved
Application class A,Safety Class II,Fire Rating C

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



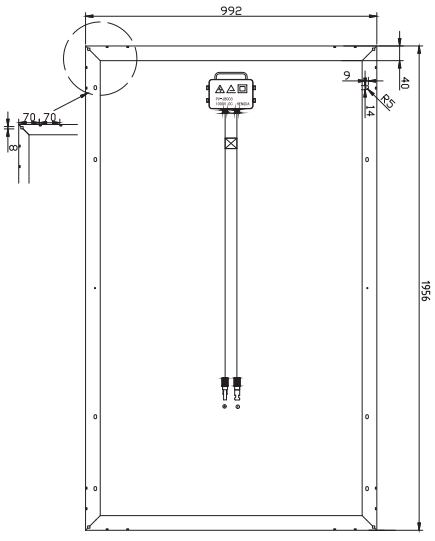
* Please refer to Simax Solar Product Warranty for details.

SIMAX 156 SP672 - 280W·285W·290W·295W·300W·310W·315W·320W

Electrical Characteristics

Parameters	SP672-280		SP672-285		SP672-290		SP672-295		SP672-300		SP672-305		SP672-310		SP672-315		SP672-320	
	STC	NOCT	STC	NOCT	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	223W	305W	226W	310W	228W	315W	230W	320W	232W
Open circuit voltage [V] V_{oc}	44.4	44.7	44.6	45.0	44.6	45.3	44.8	45.5	45.0	45.8	45.2	45.8	45.4	45.6	45.8	46.0	46.0	46.2
Maximum Power Voltage [V] (V_{mpp})	35.8	37.2	36.0	37.4	36.0	37.4	36.2	37.8	36.3	38.0	36.5	38.0	36.7	38.0	36.8	38.1	37.0	38.1
Maximum Power Current [A] (I_{mpp})	7.82	5.59	7.92	5.65	8.06	5.76	8.15	5.79	8.26	5.87	8.36	5.95	8.44	6.00	8.56	6.04	8.65	6.09
Short circuit Current [A] (I_{sc})	8.70	5.94	8.78	5.99	8.82	6.06	8.86	6.12	8.93	6.25	8.99	6.89	9.10	7.21	9.17	7.36	9.27	7.50
Power Tolerance	0~+3%		0~+3%		0~+3%		0~+3%		0~+3%		0~+3%		0~+3%		0~+3%		0~+3%	
Module Efficiency (%)	14.5%		14.7%		14.9%		15.2%		15.5%		15.7%		16.0%		16.3%		16.5%	

STC: Irradiance : 1000 W/m^2 ; Spectrum AM 1.5; Cell temperature: 25°C; Wind 0 m/s
NOCT: Irradiance: 800W/m^2 ; 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	22.5kg
Front Glass	3.2mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy

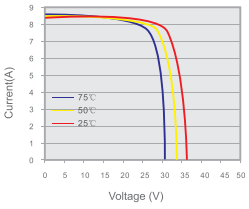
Output

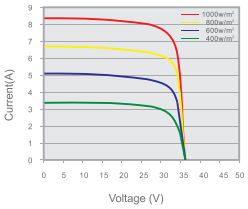
Cable Type	Ø = 4 mm^2
Lengths	L = 900 mm
Junction Box	PV - JB003 MC4

Temperature Coefficients

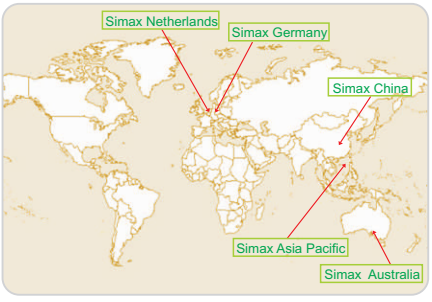
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient of (P_{max})	-0.39% / °C
Temperature Coefficient of (V_{oc})	-0.34% / °C
Temperature Coefficient of (I_{sc})	0.035% / °C

- 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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