For a Free Quote:
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Email: **contact@energypal.com**

Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes

Product Features



Positive tolerance
Guaranteed tolerance +3%
Reliable power output

High module efficiency
Module efficiency up to 16.5%
Cells efficiency up to 19.2%

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

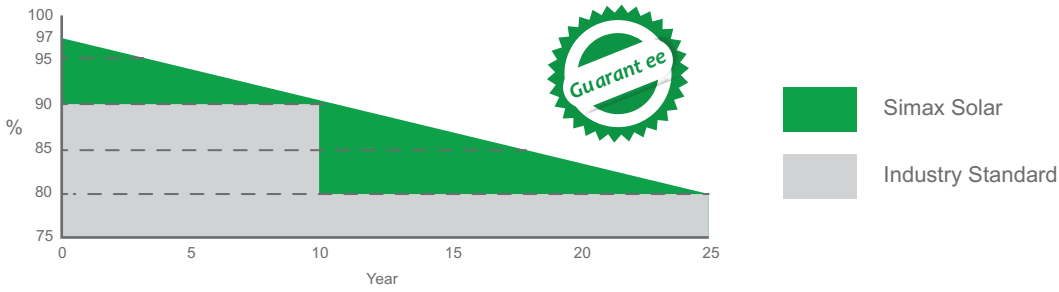
Fire test approved
Application class A,Safety Class II,Fire Rating C

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



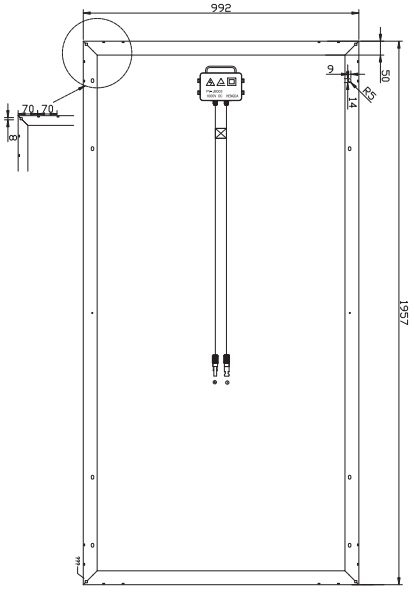
* Please refer to Simax Solar Product Warranty for details.

SIMAX 156 BLACK SM672-300W-305W-315W-320W

Electrical Characteristics

Parameters	SM672-300		SM672-305		SM672-310		SM672-315		SM672-320	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak power [Wp] P_{mpp}	300W	226W	305W	229W	310W	231W	315W	234W	320W	236W
Open circuit voltage [V] V_{oc}	45.0	41.7	45.5	41.8	45.8	42.0	46.2	42.0	46.4	42.2
Maximum Power Voltage [V] (V_{mpp})	36.8	32.8	37.0	33.0	37.1	33.2	37.3	33.3	37.4	33.4
Maximum Power Current [A] (I_{mpp})	8.15	6.89	8.24	6.94	8.36	6.96	8.45	7.03	8.56	7.07
Short circuit Current [A] (I_{sc})	9.26	7.32	9.41	7.39	9.61	7.44	9.71	7.48	9.75	7.53
Power Tolerance	0~+3%		0~+3%		0~+3%		0~+3%		0~+3%	
Module Efficiency (%)	15.5%		15.7%		16.0%		16.2%		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	Monocrystalline 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

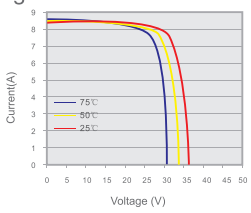
Output

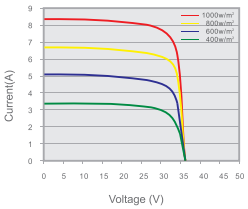
Cable Type	Ø = 4 mm^2
Lengths	L = 900 mm
Junction Box	PV - JB001 MC4

Temperature Coefficients

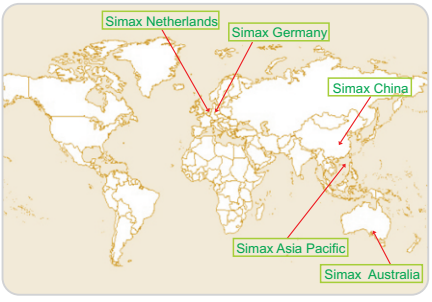
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient of (P_{max})	-0.39% / °C
Temperature Coefficient of (V_{oc})	-0.34% / °C
Temperature Coefficient of (I_{sc})	0.035% / °C

- 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





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



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