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 15.7%
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

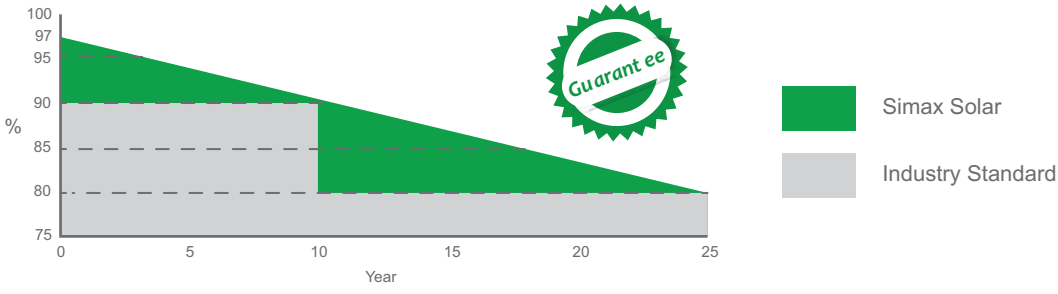
Fire test approved
Application class A,Safety Class II,Fire Rating C

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



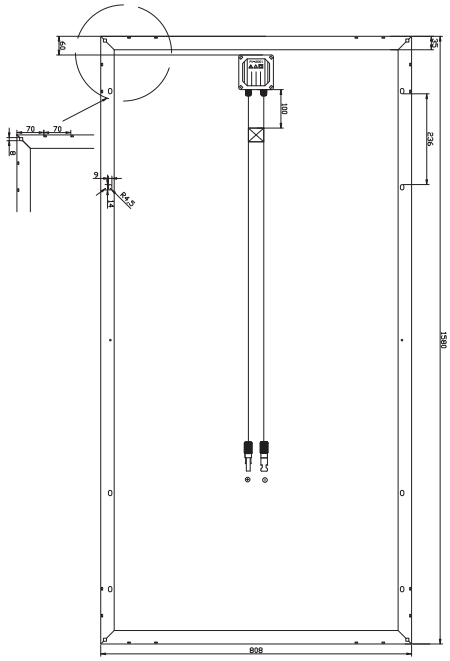
* Please refer to Simax Solar Product Warranty for details.

SIMAX 125 BLACK SM572-190W-195W-200W-205W-210W

Electrical Characteristics

Parameters	SM572-190		SM572-195		SM572-200		SM572-205		SM572-210	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak power [Wp] P_{mpp}	190W	139W	195W	144W	200W	148W	205W	151W	210W	154W
Open circuit voltage [V] V_{oc}	44.5	41.8	44.5	42.0	45.1	42.1	45.3	42.3	45.5	42.4
Maximum Power Voltage [V] (V_{mpp})	36.5	33.1	36.5	33.5	37.0	33.3	37.2	33.6	37.5	33.7
Maximum Power Current [A] (I_{mpp})	5.21	4.17	5.34	4.29	5.41	4.38	5.53	4.46	5.61	4.56
Short circuit Current [A] (I_{sc})	5.52	4.45	5.77	4.62	5.88	4.68	6.05	5.07	6.07	5.08
Power Tolerance	0~+3%		0~+3%		0~+3%		0~+3%		0~+3%	
Module Efficiency (%)	15.1%		15.3%		15.7%		16.1%		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 125 x 125 (mm)
No. of Cells	72 (6 x 12)
Dimensions	1580 x 808 x 35 mm (Option 45 / 50 mm)
Weight	13.5 kg
Front Glass	3.2mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy

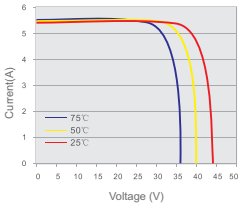
Output

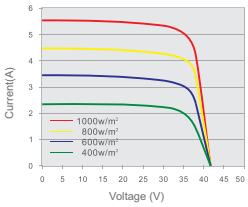
Cable Type	Ø = 4 mm^2
Lengths	L = 900 mm
Junction Box	PV - JB001 MC4

Temperature Coefficients

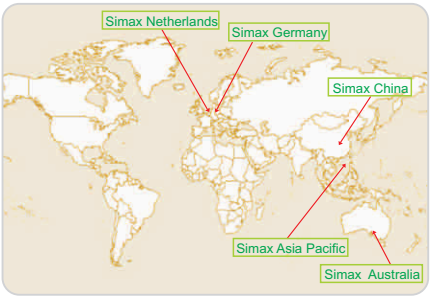
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient of (P_{max})	-0.39% / °C
Temperature Coefficient of (V_{oc})	-0.34% / °C
Temperature Coefficient of (I_{sc})	0.052% / °C

- 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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Australia and Europe office were established to give better services to customers



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