



Product Features



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



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



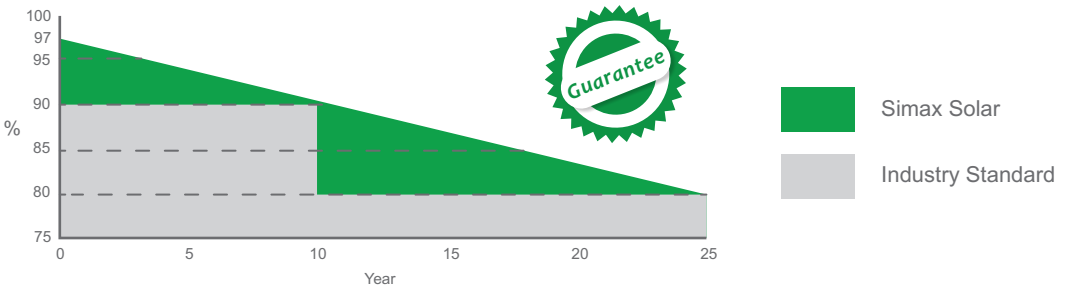
Excellent performance under extreme condition
High salt mist and ammonia resistance



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.

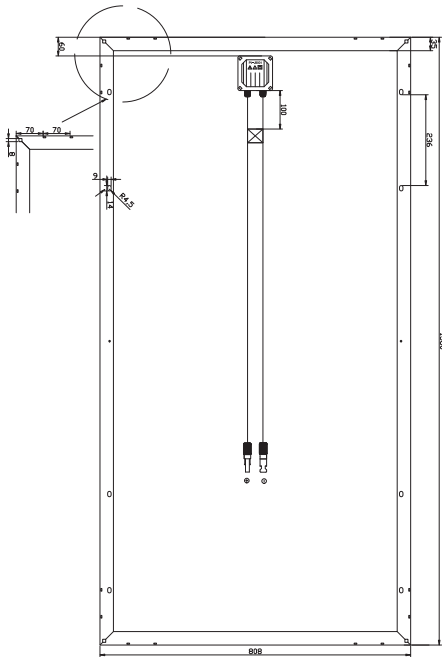




Electrical Characteristics

Parameters	SM572-190		SM572-195		SM572-200	
	STC	NOCT	STC	NOCT	STC	NOCT
Peak power [Wp] P_{mpp}	190W	139W	195W	144W	200W	148W
Open circuit voltage [V] V_{oc}	44.5	41.8	44.5	42.0	45.1	42.1
Maximum Power Voltage [V] (V_{mpp})	36.5	33.1	36.5	33.5	37.0	33.3
Maximum Power Current [A] (I_{mpp})	5.21	4.17	5.34	4.29	5.41	4.38
Short circuit Current [A] (I_{sc})	5.52	4.45	5.77	4.62	5.88	4.68
Power Tolerance	0~+3%		0~+3%		-/+3%	
Module Efficiency (%)	15.1%		15.3%		15.7%	

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	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	14.5 kg
Front Glass	3.2mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy

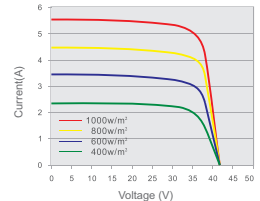
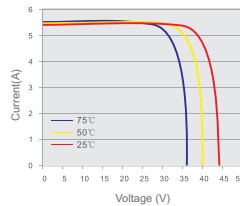
Output

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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