

## 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



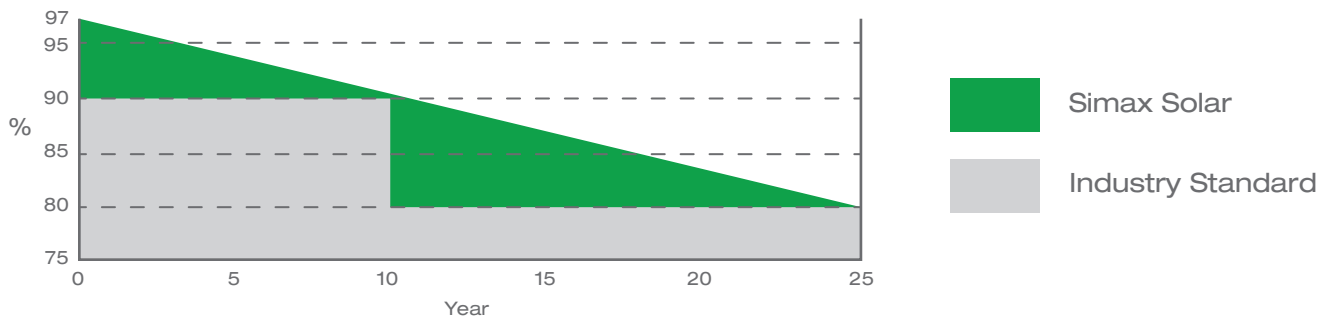
**High manufacture standards**  
certified to high standards by the  
most reputable labs According to  
IEC:61215: IEC:61730-1/2



**International Management System**  
Manufactured and certified according  
to ISO9001, Quality management system

## 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



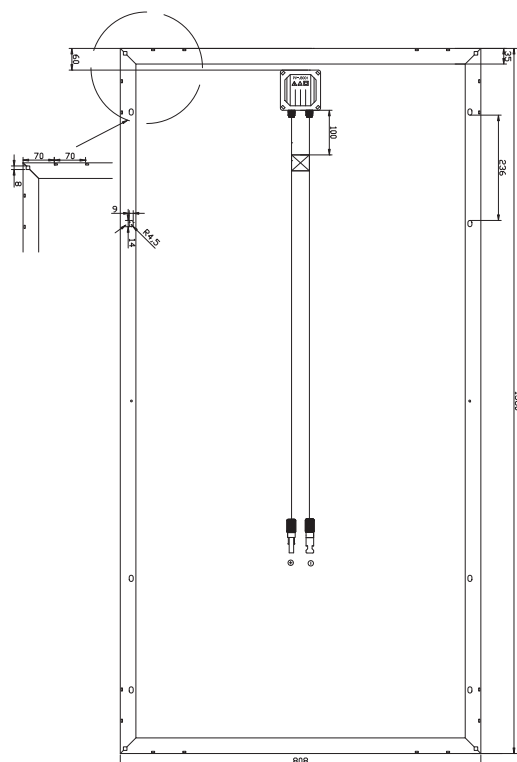
\* Please refer to Simax Solar Product Warranty for details.



## Electrical Characteristics

Parameters	SM572-190	SM572-195	SM572-200
Peak power [Wp] $P_{mpp}$	190W	195W	200W
Power Tolerance	0~+3%	0~+3%	0~+3%
Module Efficiency (%)	15.1%	15.3%	15.5%
Open circuit voltage [V] $V_{oc}$	44.5	44.5	45.1
Maximum Power Voltage [V] ( $V_{mpp}$ )	36.5	36.5	37.0
Maximum Power Current [A] ( $I_{mpp}$ )	5.21	5.34	5.41
Short circuit Current [A] ( $I_{sc}$ )	5.52	5.77	5.88

STC: Irradiance : 1000 W/m<sup>2</sup>; Spectrum AM 1,5; Cell temperature: 25°C; Wind 0 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

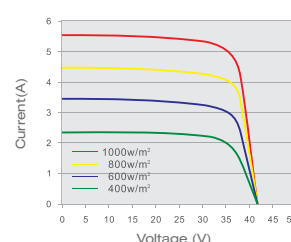
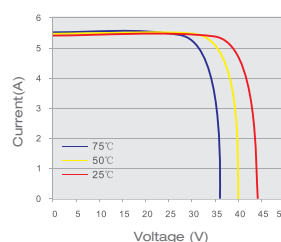
## Output

Cable Type	$\varnothing = 4 \text{ mm}^2$
Lengths	L = 900 mm
Junction Box	PV - JB001 MC4

## Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	$45 \pm 2^\circ\text{C}$
Temperature Coefficient of ( $P_{max}$ )	$-0.39\% / ^\circ\text{C}$
Temperature Coefficient of ( $V_{oc}$ )	$-0.34\% / ^\circ\text{C}$
Temperature Coefficient of ( $I_{sc}$ )	$0.052\% / ^\circ\text{C}$

- Provide the best solutions for photovoltaic power generation and technical support
- Provide Cost-effective products
- Provide 12 Years Quality Warranty
- Power out  $\geq 90\%$  in 10 years
- Power out  $\geq 80\%$  in 25 years



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