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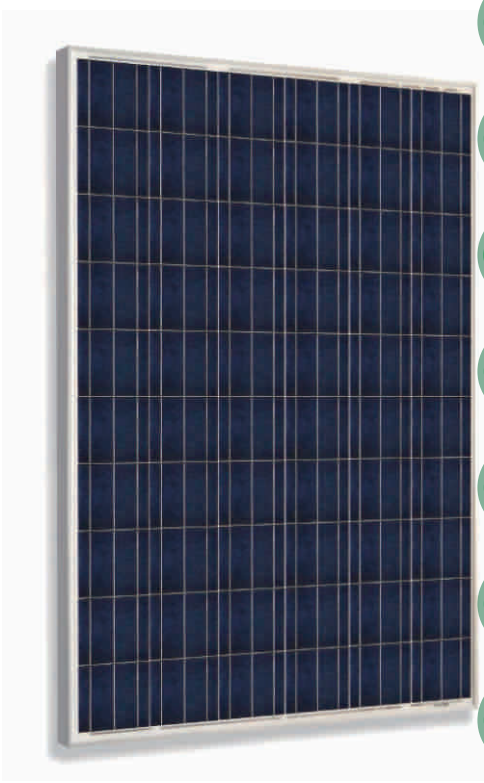
Solar Panel Guide

Specification Data Sheet

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

SIMAX 156 SP660 - 250W·255W·260W·265W·270W

Product Features



Positive tolerance
Guaranteed tolerance +3%
Reliable power output

High module efficiency
Module efficiency up to 16.6%
Cells efficiency up to 19.0%

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

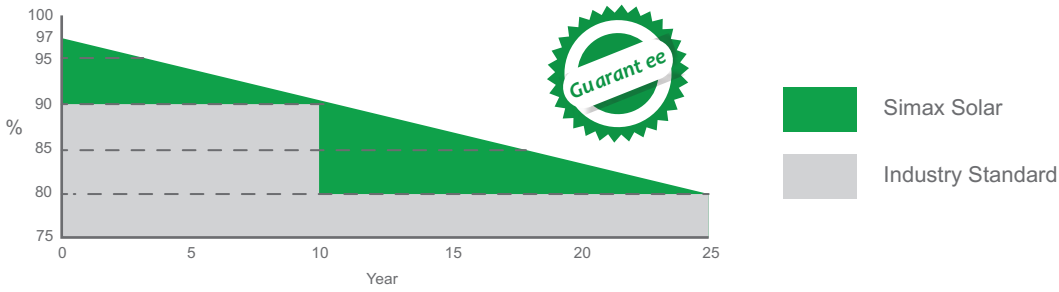
Fire test approved
Application class A,Safety Class II,Fire Rating C

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



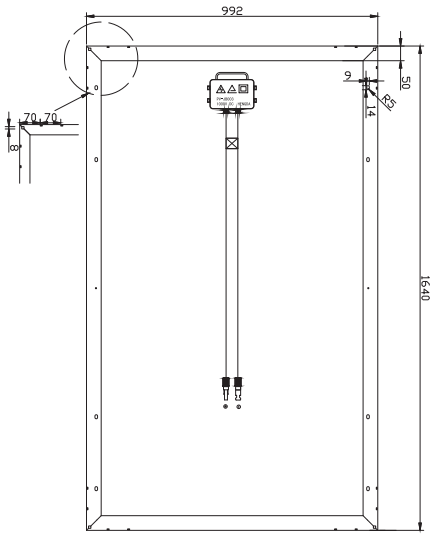
* Please refer to Simax Solar Product Warranty for details.

SIMAX 156 SP660 - 250W·255W·260W·265W·270W

Electrical Characteristics

Parameters	SP660-250		SP660-255		SP660-260		SP660-265		SP660-270	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak power [Wp] P_{mpp}	250W	182W	255W	193W	260W	197W	265W	201W	270W	206W
Open circuit voltage [V] V_{oc}	37.8	34.4	38.0	34.8	38.5	35.0	37.8	35.1	38.0	34.7
Maximum Power Voltage [V] (V_{mpp})	30.5	27.3	30.5	27.4	31.0	27.5	30.8	27.6	31.0	27.7
Maximum Power Current [A] (I_{mpp})	8.20	6.52	8.36	7.06	8.39	7.16	8.6	7.29	8.71	7.44
Short circuit Current [A] (I_{sc})	8.85	6.97	8.94	7.4	9.11	7.54	9.24	7.54	9.33	7.6
Power Tolerance	0~+3%		0~+3%		0~+3%		0~+3%		0~+3%	
Module Efficiency (%)	15.5%		15.7%		16.0%		16.29%		16.60%	

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	60 (6 x 10)
Dimensions	1640 x 992 x 40 mm (Option 45 / 50 mm)
Weight	17.5 kg
Front Glass	3.2mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy

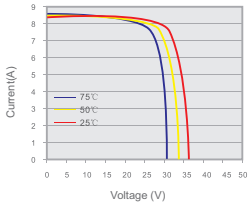
Output

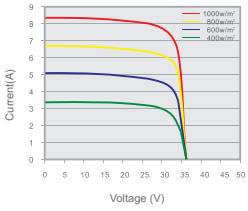
Cable Type	Ø = 4 mm^2
Lengths	L = 900 mm
Junction Box	PV - JB003 MC4

Temperature Coefficients

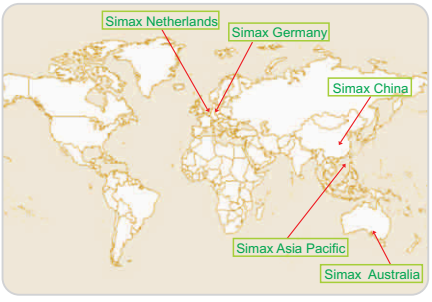
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient of (P_{max})	-0.39% / °C
Temperature Coefficient of (V_{oc})	-0.34% / °C
Temperature Coefficient of (I_{sc})	0.035% / °C

- 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





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