

Product Features



Positive tolerance
Guaranteed tolerance +3%
Reliable power output



High module efficiency
Module efficiency up to 15.5%
Cells efficiency up to 18.5%



Strong compressive strength
Certified to withstand high wind of 2400Pa
and snow loads of 5400Pa



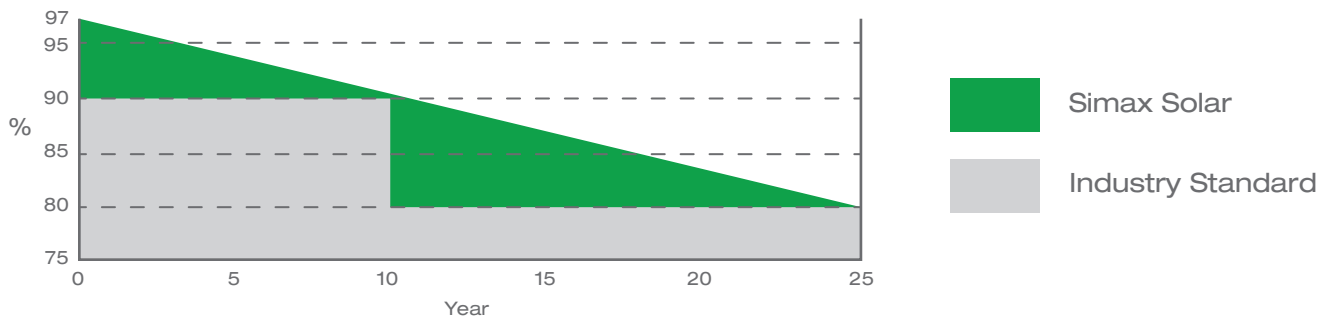
High manufacture standards
certified to high standards by the
most reputable labs
According to IEC:61215: IEC:61730-1/2



International Management System
Manufactured and certified according
to ISO9001, ISO14001
Quality and environment 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.

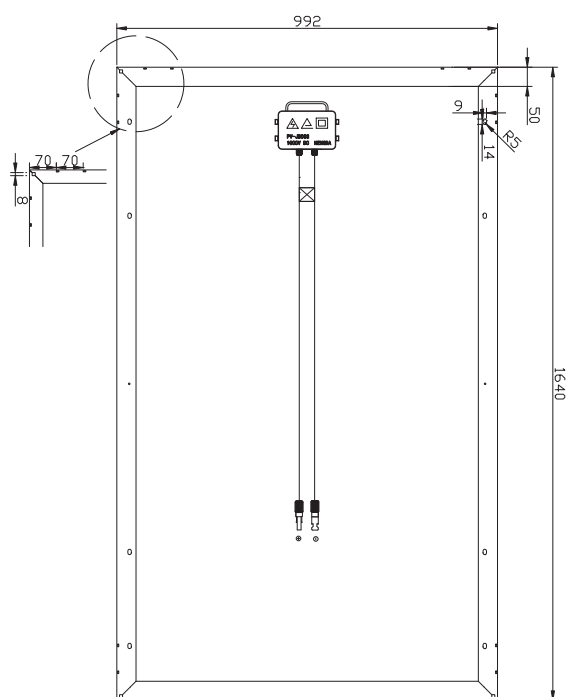


Photon

Electrical Characteristics

Parameters	SM660-240	SM660-245	SM660-250	SM660-255	SM660-260
Peak power [Wp] P_{mpp}	240W	245W	250W	255W	260W
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Module Efficiency (%)	14.8%	15.1%	15.3%	15.7%	16.0%
Open circuit voltage [V] V_{oc}	37.4	37.4	38.1	38.3	38.7
Maximum Power Voltage [V] (V_{mpp})	30.2	30.2	30.7	30.9	31.2
Maximum Power Current [A] (I_{mpp})	7.94	8.11	8.15	8.25	8.33
Short circuit Current [A] (I_{sc})	8.58	8.76	8.80	8.90	9.01

STC: Irradiance : 1000 W/m²; Spectrum AM 1,5; Cell temperature: 25°C; Wind 0 m/s



Mechanical Characteristics

Solar Cell	Monocrystalline silicon 156 x 156 (mm)
No. of Cells	60 (6 x 10)
Dimensions	1640 x 992 x 40 mm (Option 45 / 50 mm)
Weight	19.1 kg
Front Glass	3.2mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy

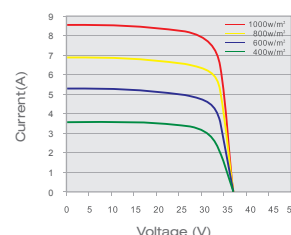
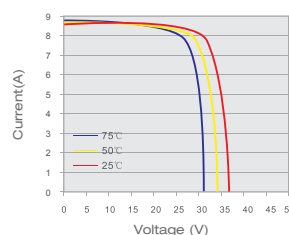
Output

Cable Type	$\varnothing = 4 \text{ mm}^2$
Lengths	L = 900 mm
Junction Box	PV - JB003 MC4

Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient of (P_{max})	-0.43% / °C
Temperature Coefficient of (V_{oc})	-0.34% / °C
Temperature Coefficient of (I_{sc})	0.036% / °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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