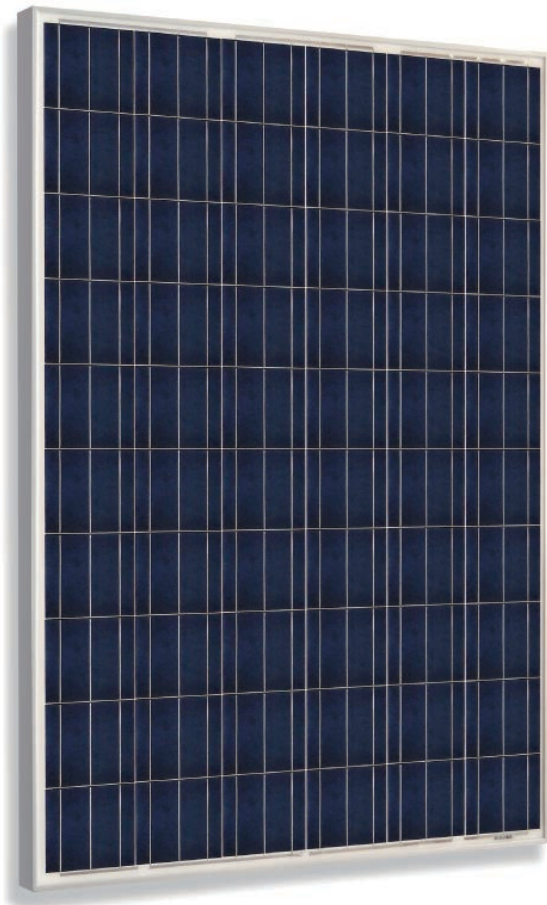


Product Features



Positive tolerance
Guaranteed tolerance +3%
Reliable power output



High module efficiency
Module efficiency up to 15.5%
Cells efficiency up to 17.6%



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



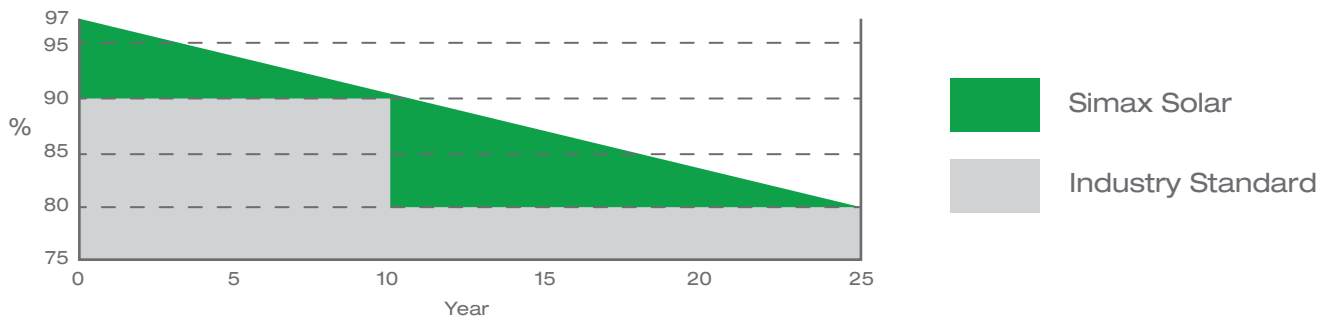
High manufacture standards
certified to high standards by the
most reputable labs
According to IEC:61215: IEC:61730-1/2



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.

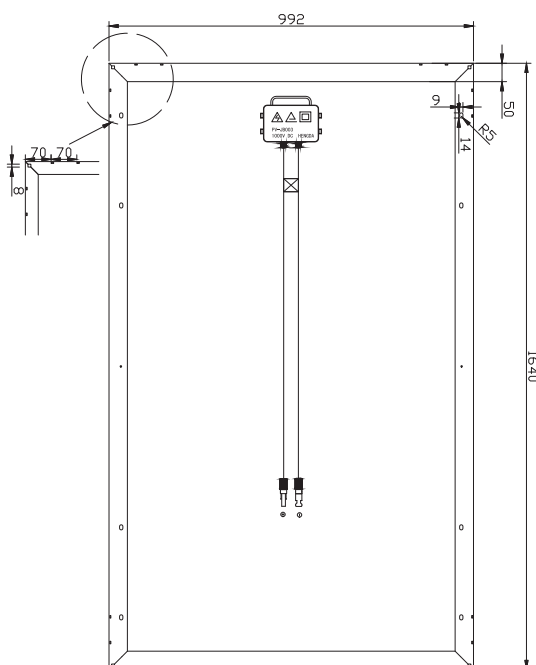


Photon

Electrical Characteristics

| Parameters | SP660-230 | SP660-235 | SP660-240 | SP660-245 | SP660-250 |
|---|-----------|-----------|-----------|-----------|-----------|
| Peak power [Wp] P_{mpp} | 230W | 235W | 240W | 245W | 250W |
| Power Tolerance | 0~+3% | 0~+3% | 0~+3% | 0~+3% | 0~+3% |
| Module Efficiency (%) | 14.3% | 14.5% | 14.7% | 14.9% | 15.2% |
| Open circuit voltage [V] V_{oc} | 36.6 | 37.2 | 37.2 | 37.2 | 37.8 |
| Maximum Power Voltage [V] (V_{mpp}) | 29.5 | 30.0 | 30.0 | 30.0 | 30.5 |
| Maximum Power Current [A] (I_{mpp}) | 7.80 | 7.83 | 8.00 | 8.17 | 8.20 |
| Short circuit Current [A] (I_{sc}) | 8.42 | 8.46 | 8.65 | 8.74 | 8.85 |

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

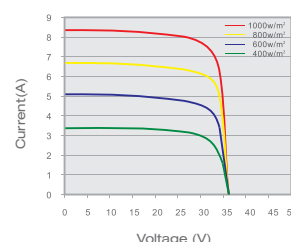
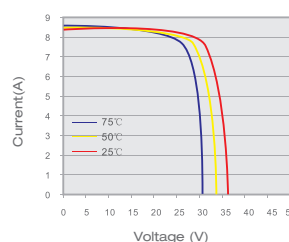
Output

| | |
|--------------|-----------------------|
| 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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