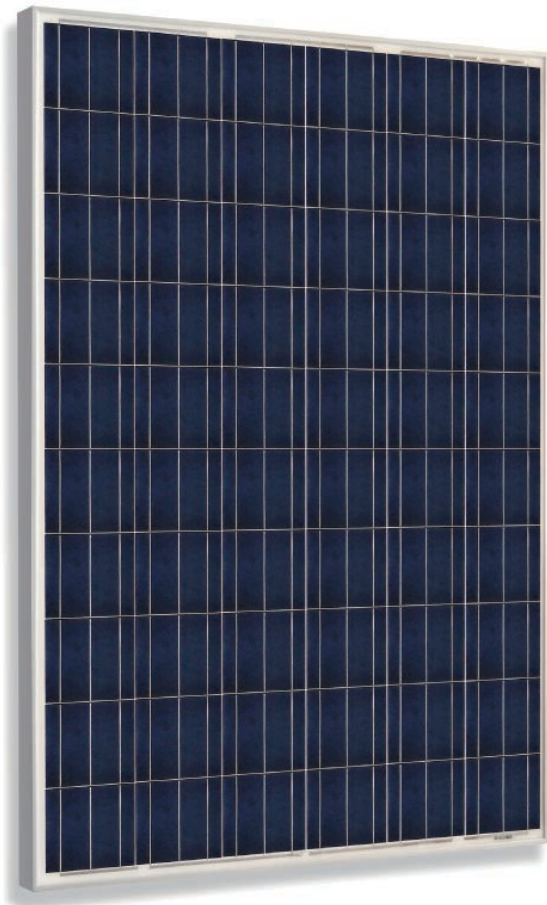


## Product Features



**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



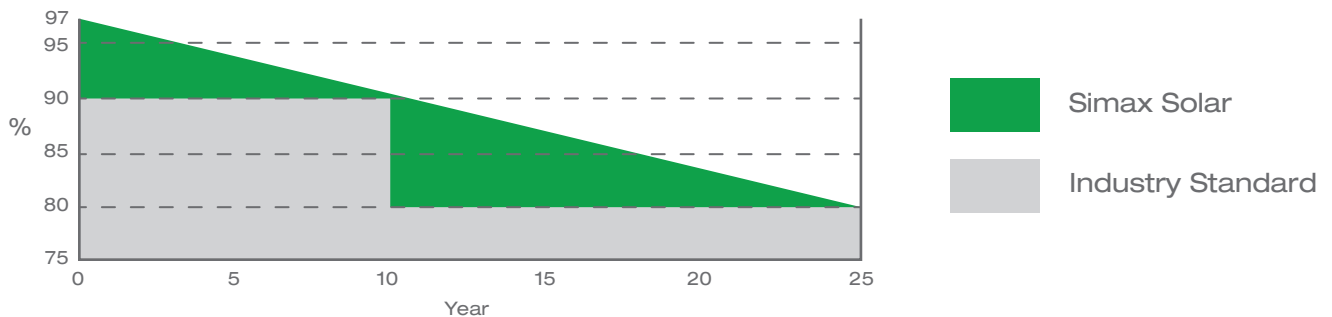
**High manufacture standards**  
certified to high standards by the  
most reputable labs  
According to IEC:61215: IEC:61730-1/2



**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.

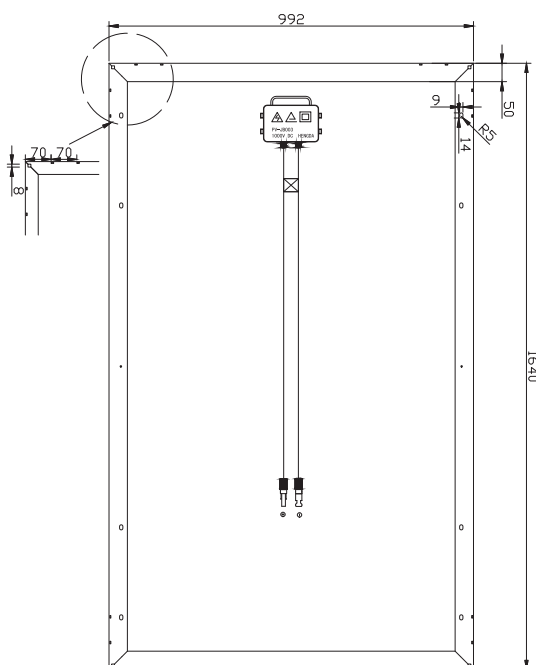


**Photon**

## Electrical Characteristics

Parameters	SP660-230	SP660-235	SP660-240	SP660-245	SP660-250
Peak power [Wp] P <sub>mpp</sub>	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 <sub>oc</sub>	36.6	37.2	37.2	37.2	37.8
Maximum Power Voltage [V] (V <sub>mpp</sub> )	29.5	30.0	30.0	30.0	30.5
Maximum Power Current [A] (I <sub>mpp</sub> )	7.80	7.83	8.00	8.17	8.20
Short circuit Current [A] (I <sub>sc</sub> )	8.42	8.46	8.65	8.74	8.85

STC: Irradiance : 1000 W/m<sup>2</sup>; 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

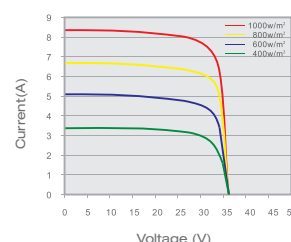
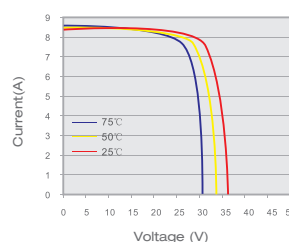
## Output

Cable Type	Ø = 4 mm <sup>2</sup>
Lengths	L = 900 mm
Junction Box	PV - JB003 MC4

## Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient of (P <sub>max</sub> )	-0.39% / °C
Temperature Coefficient of (V <sub>oc</sub> )	-0.34% / °C
Temperature Coefficient of (I <sub>sc</sub> )	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



Simax Green New Energy (Europe) GmbH  
 Mergenthaler Allee 23 / 25  
 65760 Eschborn / Germany  
 Tel.: +49 6196 9739 525  
 Fax: +49 6196 5929 684  
 info@simaxsolar.de  
 www.simaxsolar.de



Simax (Australia) Green New Energy Pty Ltd  
 5 / 78 Frankston Gardens Drive,  
 Carrum Downs, VIC 3210  
 Tel: +61 03 9708 2400  
 Fax: +61 03 9708 2482  
 info@simaxsolar.com  
 www.simaxsolar.com.au



Simax (Suzhou) Green New Energy Co.,Ltd  
 No. 567 Suzhou Road, Taicang city,  
 Jiangsu province, China P.C.: 215400  
 Tel: +86 512 5337 8555  
 Fax: +86 512 5337 8556  
 info@simaxsolar.com  
 www.simaxsolar.com

