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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Simax (Suzhou) Green New Energy Co., Ltd.**

**SM660 255-275**

**SM660-265**

Also available on the web at

[EnergyPal.com/simax-suzhou-green-new-energy-co-ltd-solar-panels/sm660-265](http://EnergyPal.com/simax-suzhou-green-new-energy-co-ltd-solar-panels/sm660-265)



## Product Features



**Positive tolerance**  
Guaranteed tolerance +3%  
Reliable power output



**High module efficiency**  
Module efficiency up to 16.9%  
Cells efficiency up to 19.8%



**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



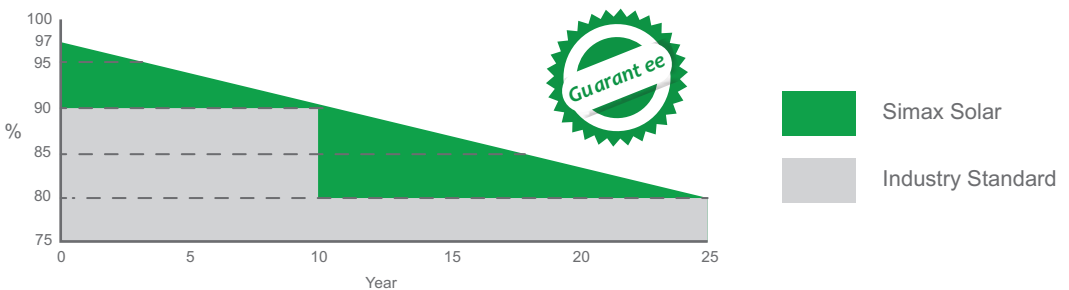
**Excellent performance under extreme condition**  
High salt mist and ammonia resistance



**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.



## Electrical Characteristics

Parameters	SM660-255		SM660-260		SM660-265		SM660-270		SM660-275	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak power [Wp] $P_{mpp}$	255W	192W	260W	196W	265W	200W	270W	203W	275W	207W
Open circuit voltage [V] $V_{oc}$	38.3	35.3	38.7	35.4	38.9	35.4	39.0	35.5	39.0	35.7
Maximum Power Voltage [V] ( $V_{mpp}$ )	30.9	27.6	31.2	27.8	31.3	27.8	31.5	27.9	31.5	28.0
Maximum Power Current [A] ( $I_{mpp}$ )	8.25	6.96	8.33	7.05	8.47	7.19	8.57	7.28	8.73	7.39
Short circuit Current [A] ( $I_{sc}$ )	8.90	7.27	9.01	7.35	9.22	7.40	9.30	7.55	9.37	7.63
Power Tolerance	0~+3%		0~+3%		0~+3%		0~+3%		0~+3%	
Module Efficiency (%)	15.7%		16.0%		16.3%		16.6%		16.9%	

STC: Irradiance : 1000 W/m<sup>2</sup>; Spectrum AM 1.5; Cell temperature: 25°C; Wind 0 m/s  
 NOCT: Irradiance: 800W/m<sup>2</sup>; Spectrum AM 1.5; ambient temperature 20°C, wind speed 1 m/s

## Mechanical Characteristics

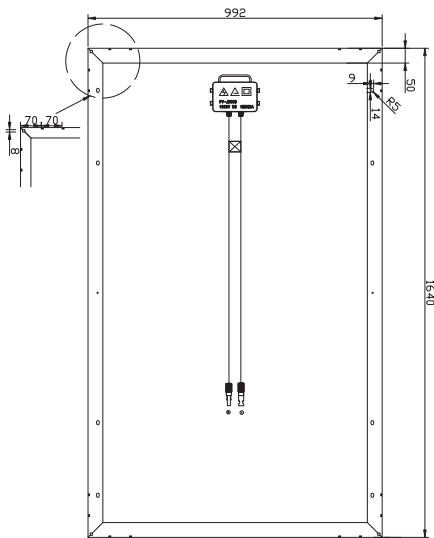
Solar Cell	Monocrystalline silicon 156 x 156 (mm)
No. of Cells	60 ( 6 x 10 )
Dimensions	1640 x 992 x 40 mm (Option 45 / 50 mm)
Weight	17.5 kg
Front Glass	3.2mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy

## Output

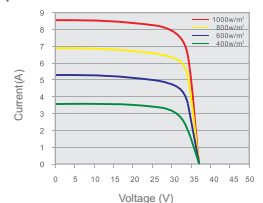
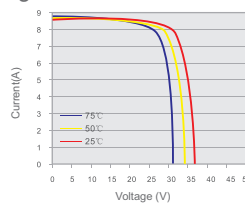
Cable Type	Ø = 4 mm <sup>2</sup>
Lengths	L = 900 mm
Junction Box	PV - JB003 MC4

## Temperature Coefficients

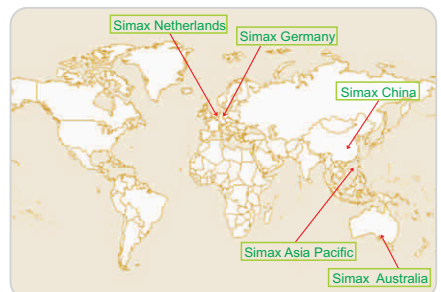
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient of ( $P_{max}$ )	-0.39% / °C
Temperature Coefficient of ( $V_{oc}$ )	-0.34% / °C
Temperature Coefficient of ( $I_{sc}$ )	0.036% / °C



- 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



Global standby to ensure response within 24 hours  
 Australia and Europe office were established to give better services to customers



**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 3 9708 2400  
 Fax: +61 3 9708 2482  
 info@simaxsolar.com.au  
 www.simaxsolar.com.au

