

### SK6610M-290/295/300 Mono High Efficiency Module

Akcome Optronics applies rigorous design and advanced technology to constantly improve the power output of our solar modules. Akcome also ensures high product reliability and achieves zero defect product by using fully automatic manufacturing equipment with strict quality inspection standards.

#### Product Features

- ◆ **High Conversion Efficiency**  
Output efficiency up to 18.4%, with 0~3% positive power tolerance
- ◆ **Excellent Low-irradiance and Temperature Stability**  
Excellent low-irradiance and temperature stability provide high profits for customers
- ◆ **Anti-PID Design**  
Products satisfy IEC62804 tests by anti-PID cell and module technology, and are suitable for extremely hot and humid environments.
- ◆ **Harsh Environment Adaptability**  
Provide resistance to harsh environmental factors, and tested resistance to salt spray, ammonia, dust and sand. Products can be used in environments including seaside, farm and deserts.
- ◆ **Excellent Mechanical Durability**  
Strong mechanical durability of 5400Pa snow load and 2400Pa wind load



#### Product Certification

IEC 61215 / IEC61730

*Certification requirements vary in different markets, please consult with Akcome Optronics sales team for appropriate certification.*



#### Company Profile

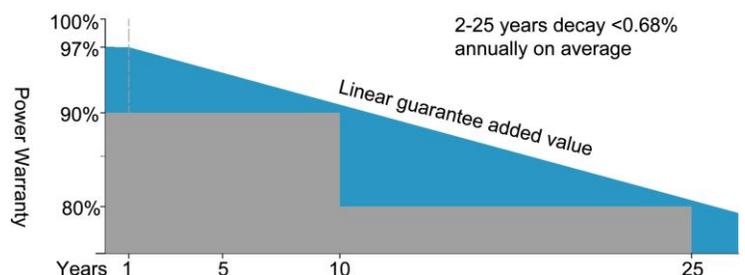
Akcome Optronics is a leading supplier which focuses on providing service for solar cells and PV modules. Its products are used in residential, commercial and ground solar power systems. The two main plants are located in Suzhou and Ganzhou of total annual capacity 1.4 GW.

Akcome Optronics was established on November 5th, 2010, and became wholly-owned subsidiary of Jiangsu Akcome Solar Science & Technology Co., Ltd (002610) in September 2016.

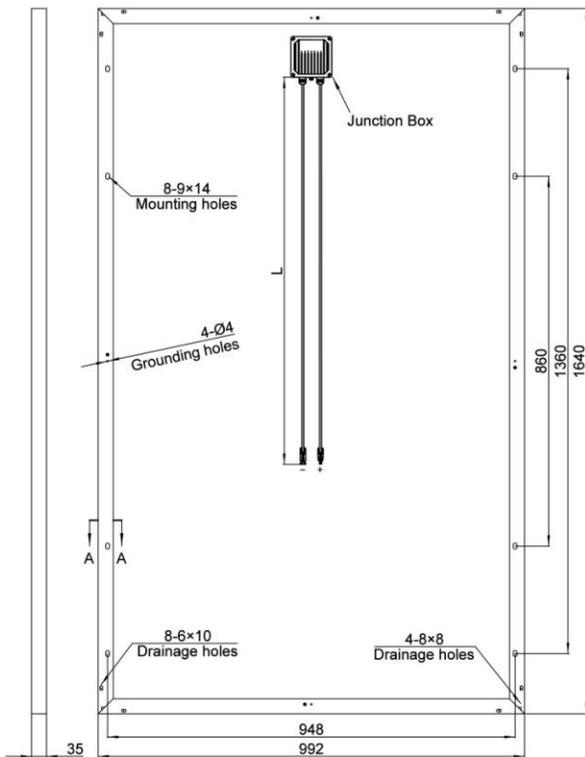
Address : Economic Development Zone, Zhangjiagang, Jiangsu, China  
 Tel : 400-101-7000  
 Web : <http://www.akcome.com>

#### Power Guarantee

Product quality assurance for 10 years  
 Linear power guarantee for 25 years

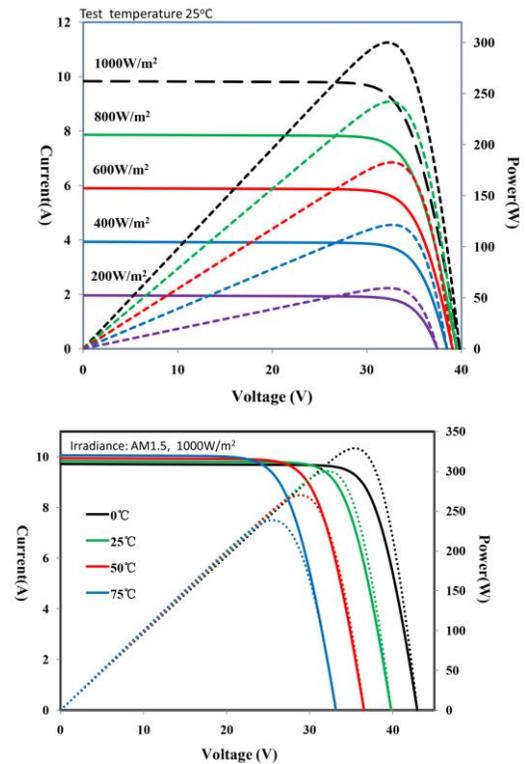


Assembly drawing (Unit: mm)



Backside

I-V Curve



I-V Curve

Mechanical Parameters

Cell Type	156.75×156.75 mm Mono
Number of Cells	60pcs ( 6×10 )
Dimensions ( L*W*H )	1640×992×35 mm
Weight	18.5 kg
Frame	Anodised aluminum
Junction Box	IP67, with three bypass diodes
Cable, length	4.0 mm <sup>2</sup> , 900 mm

Working Condition

Maximum System Voltage ( V )	1000 ( DC )
Operating Temp ( °C )	-40~+85
Max. Wind Load/ Snow Load ( pa )	2400/5400
Max. Over Current ( A )	15
Application Class	Class A
Fire rating	Class C
NOCT ( °C )	47±2

Electrical Parameters (STC)

Module Series	SK6610M		
Power Range Pmp ( W )	300	295	290
Max. Power Voltage Vmp ( V )	32.1	32.1	31.9
Max. Power Current Imp ( A )	9.35	9.19	9.10
Open Circuit Voltage Voc ( V )	39.8	39.4	39.1
Short Circuit Current Isc ( A )	9.83	9.69	9.62
Module Efficiency ( % )	18.4	18.1	17.8
Power Tolerance	0~+3%		
Temperature Coefficients of Pmp	-0.43%/°C		
Temperature Coefficients of Voc	-0.34%/°C		
Temperature Coefficients of Isc	+0.049%/°C		

STC : incident sunlight of 1000 W/m<sup>2</sup> a cell temperature of 25 °C and an AM of 1.5 (AM = Air Mass)

Package Information

Truck 9.6m/13m/17.5m	670 / 938 / 1573pcs
Container 20'GP/40'GP/40'HQ	360 / 840 / 896pcs

### SK6610P-275/280/285 Poly High Efficiency Module

Akcome Optronics applies rigorous design and advanced technology to constantly improve the power output of our solar modules. Akcome also ensures high product reliability and achieves zero defect product by using fully automatic manufacturing equipment with strict quality inspection standards.

#### Product Features

- ◆ **High Conversion Efficiency**  
Output efficiency up to 17.5%, 0~3% positive power tolerance
- ◆ **Excellent Low-irradiance and Temperature Stability**  
Excellent low-irradiance and temperature stability provide high profits for customers
- ◆ **Anti-PID Design**  
Products satisfy IEC62804 tests by anti-PID cell and module technology, and are suitable for extremely hot and humid environments.
- ◆ **Harsh Environment Adaptability**  
Provide resistance to harsh environmental factors, and tested resistance to salt spray, ammonia, dust and sand. Products can be used in environments including seaside, farm and deserts.
- ◆ **Excellent Mechanical Durability**  
Strong mechanical durability of 5400Pa snow load and 2400Pa wind load



#### Product Certification

IEC 61215 / IEC61730

*Certification requirements vary in different markets, please consult with Akcome Optronics sales team for appropriate certification.*



#### Company Profile

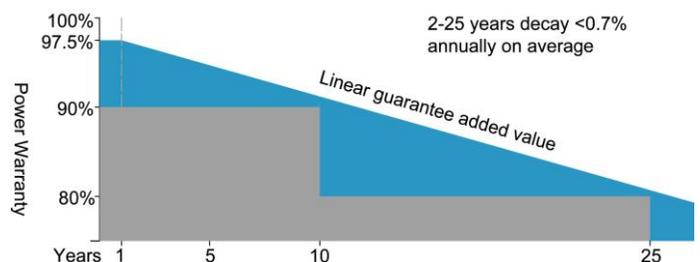
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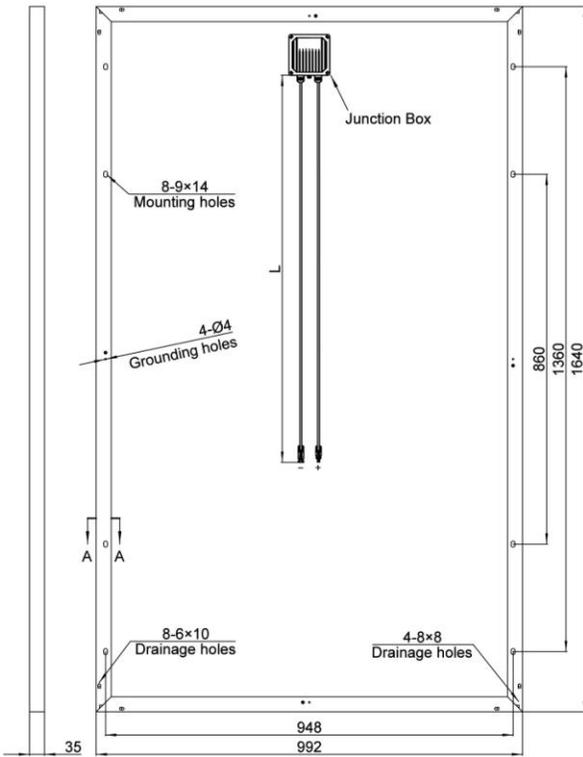
#### Power Guarantee

Product quality assurance for 10 years  
Linear power guarantee for 25 years

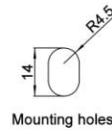


Assembly drawing (Unit: mm)

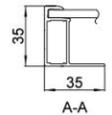
I-V Curve



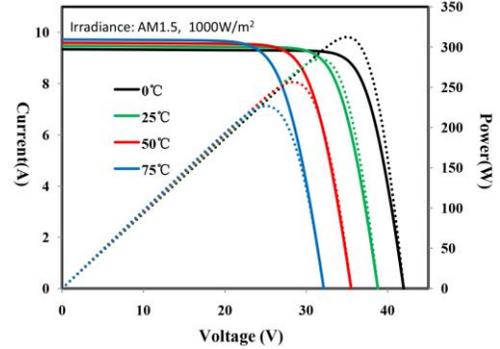
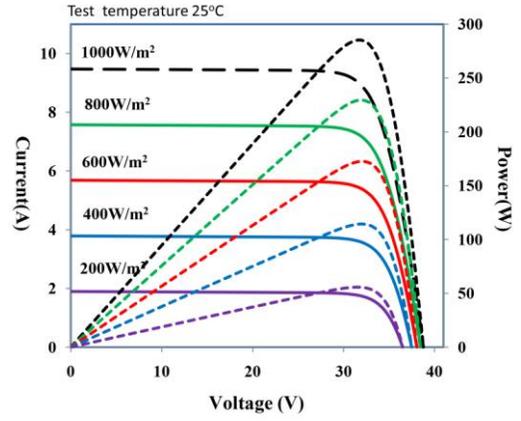
Backside



Mounting holes



A-A



I-V Curve

Mechanical Parameters

Cell Type	156.75×156.75 mm Poly
Number of Cells	60pcs ( 6×10 )
Dimensions ( L*W*H )	1640×992×35 mm
Weight	18.5 kg
Frame	Anodised Aluminum
Junction Box	IP67, with three bypass diodes
Cable, length	4.0 mm <sup>2</sup> , 900 mm

Working Condition

Maximum System Voltage ( V )	1000 ( DC )
Operating Temp ( °C )	-40~+85
Max. Wind Load/ Snow Load ( pa )	2400/5400
Max. Over Current ( A )	15
Application Class	Class A
Fire rating	Class C
NOCT ( °C )	47±2

Electrical Parameters (STC)

Module Series	SK6610P		
Power Range Pmp ( W )	285	280	275
Max. Power Voltage Vmp ( V )	31.5	31.2	30.9
Max. Power Current Imp ( A )	9.05	8.97	8.90
Open Circuit Voltage Voc ( V )	38.8	38.6	38.2
Short Circuit Current Isc ( A )	9.47	9.41	9.35
Module Efficiency ( % )	17.5	17.2	16.9
Power Tolerance	0~+3%		
Temperature Coefficients of Pmp	-0.40%/°C		
Temperature Coefficients of Voc	-0.31%/°C		
Temperature Coefficients of Isc	+0.055%/°C		

STC : incident sunlight of 1000 W/m<sup>2</sup> a cell temperature of 25 °C and an AM of 1.5 (AM = Air Mass)

Package Information

Truck 9.6m/13m/17.5m	670 / 938 / 1573pcs
Container 20'GP/40'GP/40'HQ	360 / 840 / 896pcs