

SK6610M-275/280/285 Mono Module for Water Projects

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%, 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. Ultra-low WCTR for backsheet that ensures excellent insulation and safety in wet environment.
- ◆ **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

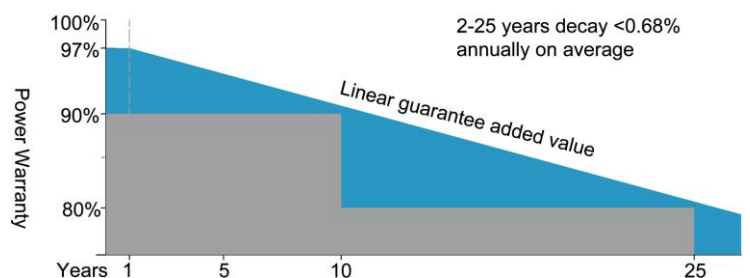
Akcome Optronics is a leading supplier which focuses on providing service for solar cells and PV modules. Its products are used in residential, commercial and ground solar power systems. The two main plants are located in Suzhou and Ganzhou of total annual capacity 1.4 GW.

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.

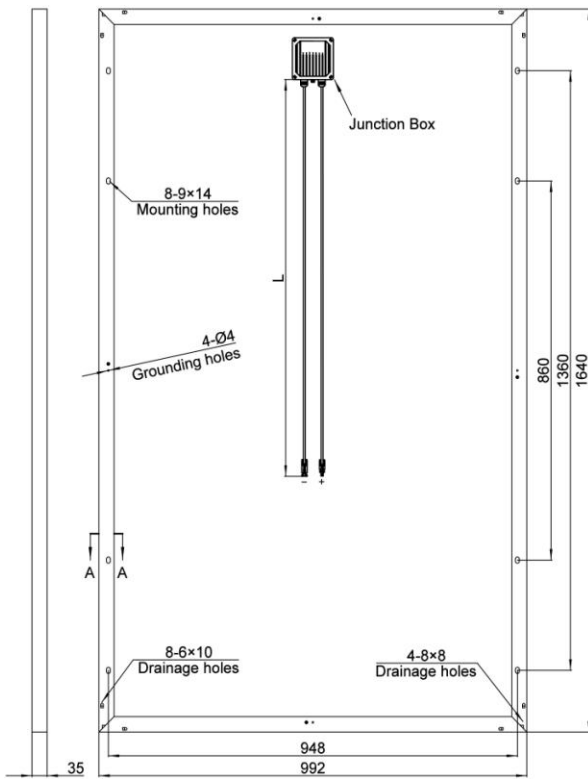
Address : Economic Development Zone, Zhangjiagang, Jiangsu, China
Tel : 400-101-7000
Web : <http://www.akcome.com>

Power Guarantee

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

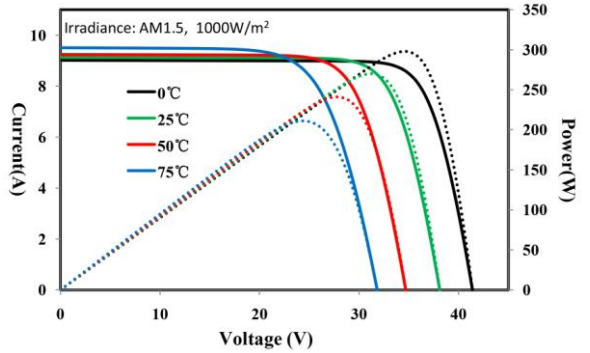
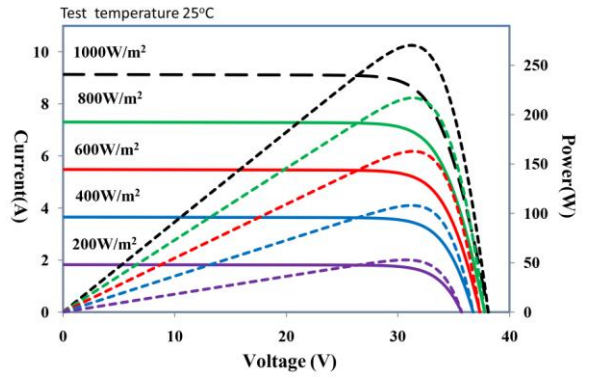


Assembly drawing (Unit: mm)

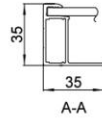
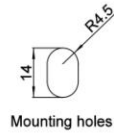


Backside

I-V Curve



I-V Curve



Mechanical Parameters		Working Condition	
Cell Type	156.75×156.75 mm Poly	Maximum System Voltage (V)	1000 (DC)
Number of Cells	60pcs (6×10)	Operating Temp (°C)	-40~+85
Dimensions (L*W*H)	1640×992×35 mm	Max. Wind Load/ Snow Load (pa)	2400/5400
Weight	18.5 kg	Max. Over Current (A)	15
Frame	Anodised Aluminum	Application Class	Class A
Junction Box	IP67, with three bypass diodes	Fire rating	Class C
Cable, length	4.0 mm ² , 900 mm	NOCT (°C)	47±2

Electrical Parameters (STC)			
Module Series	SK6610M		
Power Range Pmp (W)	285	280	275
Max. Power Voltage Vmp (V)	31.8	31.5	31.3
Max. Power Current Imp (A)	8.97	8.89	8.79
Open Circuit Voltage Voc (V)	38.8	38.5	38.3
Short Circuit Current Isc (A)	9.46	9.37	9.25
Module Efficiency (%)	17.5	17.2	16.9
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/m², 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-260/265/270/275 Poly Module for Water Projects

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Product Features

- ◆ **High Conversion Efficiency**
Output efficiency up to 16.9%, 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. Ultra-low WCTR for backsheet that ensures excellent insulation and safety in wet environment.
- ◆ **Excellent Mechanical Durability**
Strong mechanical durability of 5400Pa snow load and 2400Pa wind load



Product Certification

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Company Profile

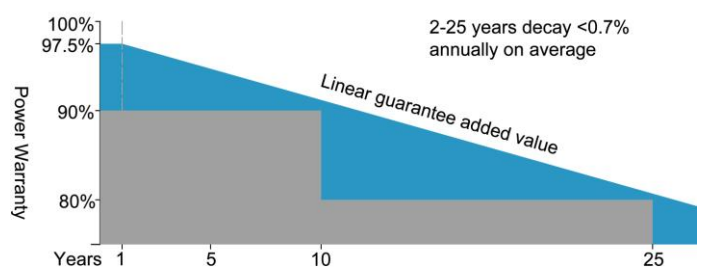
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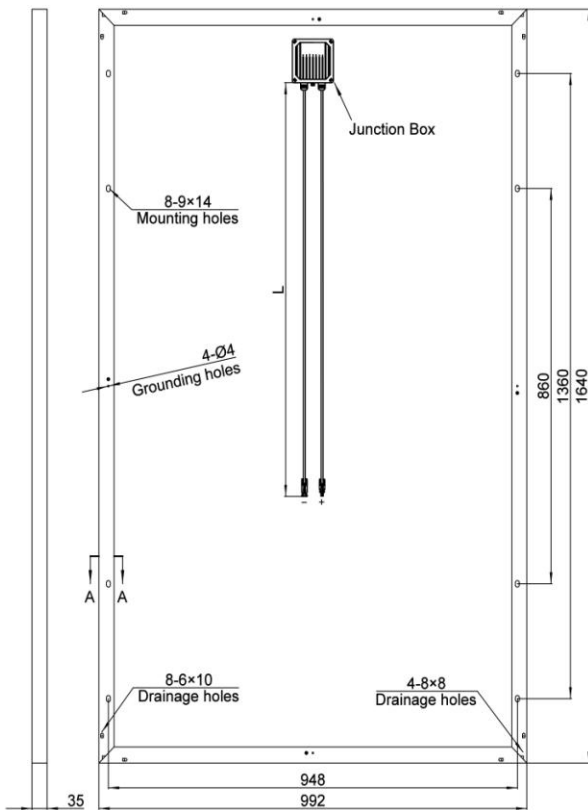
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Power Guarantee

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

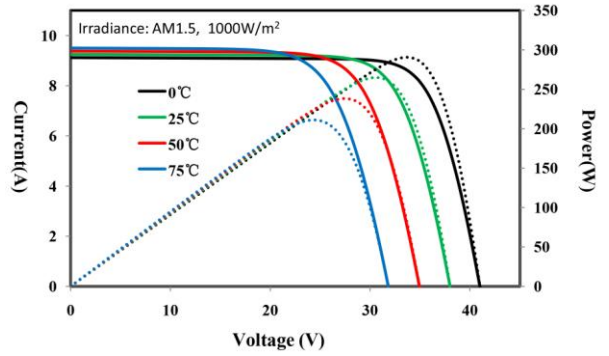
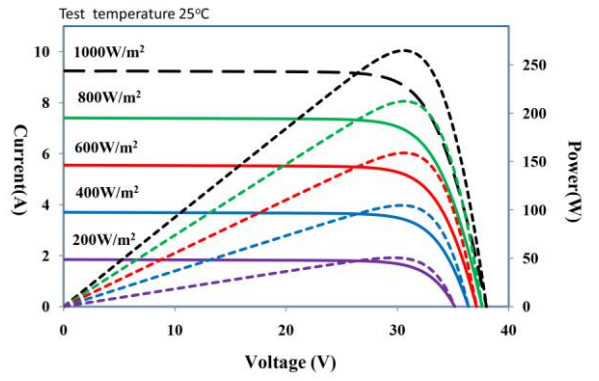


Assembly drawing (Unit: mm)

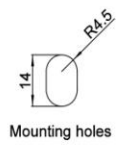


Backside

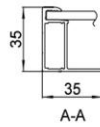
I-V Curve



I-V Curve



Mounting holes



A-A

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 ² , 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			
	275	270	265	260
Power Range Pmp (W)	275	270	265	260
Max. Power Voltage Vmp (V)	30.9	30.9	30.7	30.5
Max. Power Current Imp (A)	8.90	8.74	8.63	8.52
Open Circuit Voltage Voc (V)	38.2	38.2	38.0	37.8
Short Circuit Current Isc (A)	9.35	9.30	9.25	9.13
Module Efficiency (%)	16.9	16.6	16.3	16.0
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/m² 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