AKCOME

# AKCOME
## SOLAR MODULES

# SK6610M-275/280/285 Mono Enhanced 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 10000Pa snow load and 10000Pa wind load

## Product Certification

IEC 61215 / IEC61730

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

TÜVRheinland TÜV NORD CE

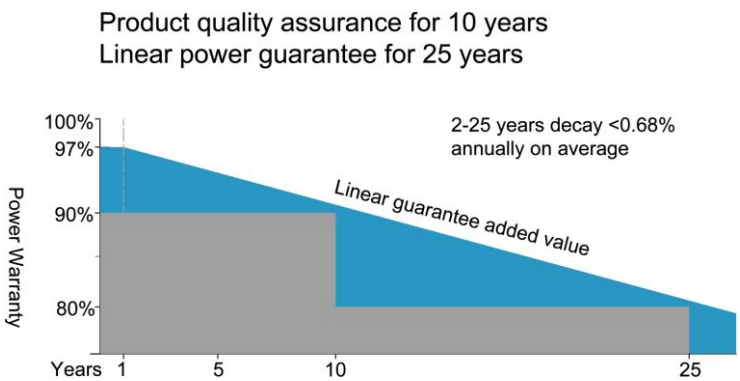
## Company Profile

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



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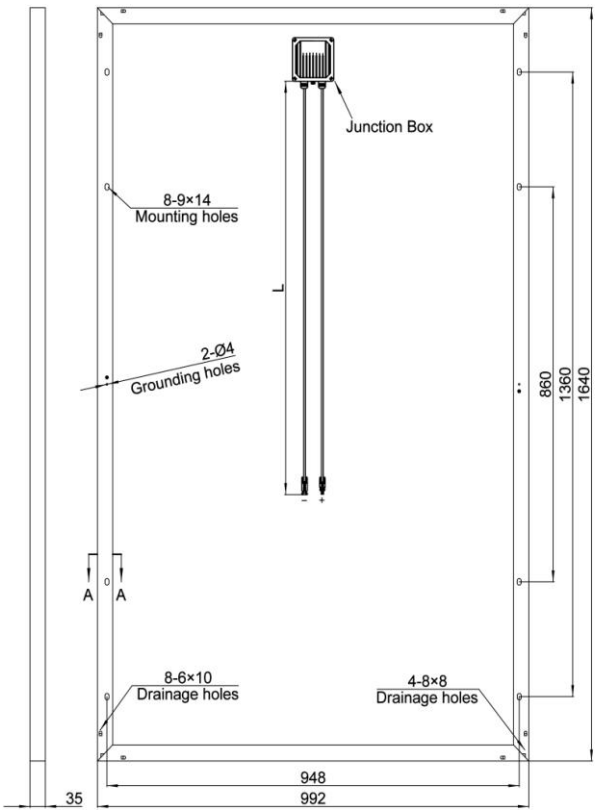
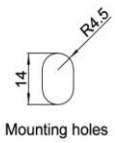
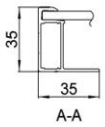
## Assembly drawing (Unit：mm)

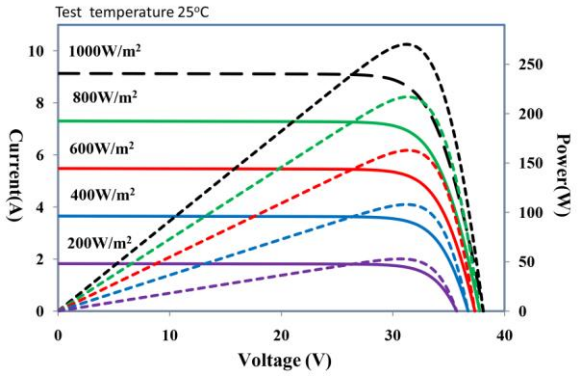


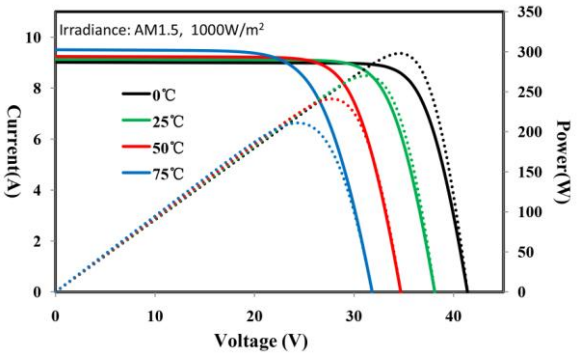




Backside

## 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 | 21.5 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 （℃） | -40~+85 |
| Max. Wind Load/ Snow Load（pa） | 10000/10000 |
| Max. Over Current（A） | 15 |
| Application Class | Class A |
| Fire rating | Class C |
| NOCT （℃） | 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%/℃ | | |
| Temperature Coefficients of Voc | -0.34%/℃ | | |
| Temperature Coefficients of Isc | +0.049%/℃ | | |

*STC： incident sunlight of 1000 W/m², a cell temperature of 25℃ and an AM of 1.5 (AM = Air Mass)*

| Package Information | |
|---|---|
| Container 20'GP/40'GP/40'HQ | 336 / 784 / 840pcs |



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## SOLAR MODULES

# SK6610P-260/265/270 Poly Enhanced 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 16.6%, 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 10000Pa snow load and 10000Pa wind load

## Product Certification

IEC 61215 / IEC61730

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

TÜVRheinland TÜV NORD CE

## 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.

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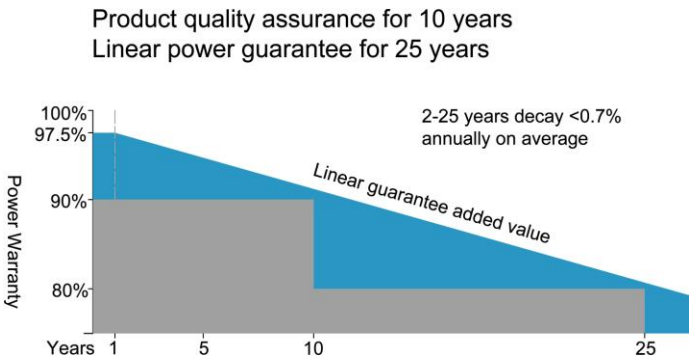
## Power Guarantee



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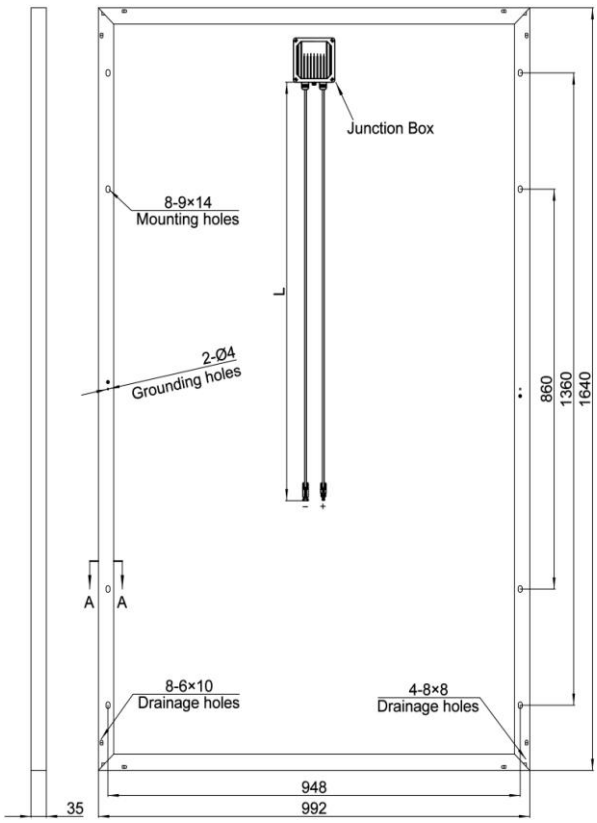
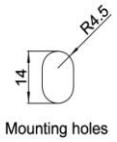
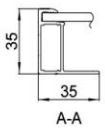
## Assembly drawing (Unit：mm)

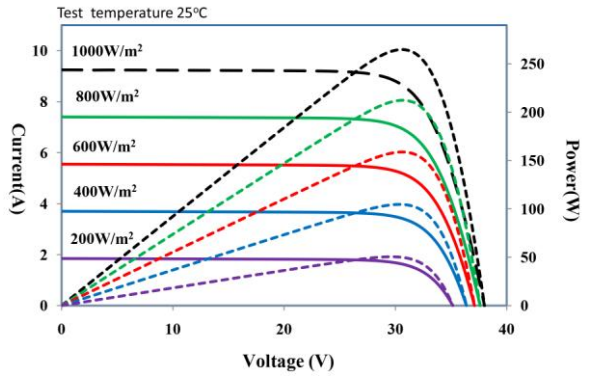


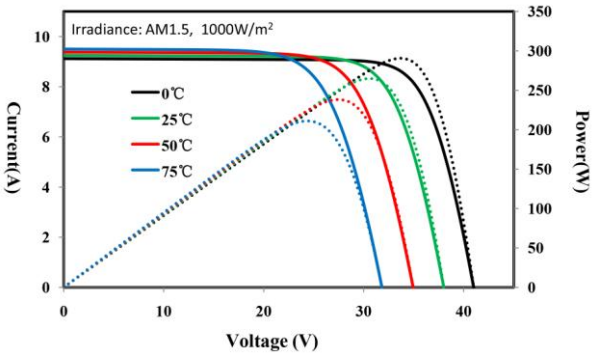

Backside




## I-V Curve




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 | 21.5 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 （℃） | -40~+85 |
| Max. Wind Load/ Snow Load（pa） | 10000/10000 |
| Max. Over Current（A） | 15 |
| Application Class | Class A |
| Fire rating | Class C |
| NOCT （℃） | 47±2 |

| Electrical Parameters (STC) | | | |
|---|---|---|---|
| Module Series | SK6610P | | |
| Power Range Pmp（W） | 270 | 265 | 260 |
| Max. Power Voltage Vmp（V） | 30.9 | 30.7 | 30.5 |
| Max. Power Current Imp（A） | 8.74 | 8.63 | 8.52 |
| Open Circuit Voltage Voc（V） | 38.2 | 38.0 | 37.8 |
| Short Circuit Current lsc（A） | 9.30 | 9.25 | 9.13 |
| Module Efficiency（%） | 16.6 | 16.3 | 16.0 |
| Power Tolerance | 0~+3% | | |
| Temperature Coefficients of Pmp | -0.40%/℃ | | |
| Temperature Coefficients of Voc | -0.31%/℃ | | |
| Temperature Coefficients of lsc | +0.055%/℃ | | |

*STC： incident sunlight of 1000 W/m², a cell temperature of 25℃ and an AM of 1.5 (AM = Air Mass)*

| Package Information | |
|---|---|
| Container 20'GP/40'GP/40'HQ | 336 / 784 / 840pcs |



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