

## YI6A 60/220-260M

### Product Feature



The design of black tape and borderless can meet the architectural aesthetic. Especially suitable for residential and rooftop commercial projects.



Gently module weight: the whole weight of module 21 kg is lighter than the conventional framed module 22kg.



The design of thinner and lighter modules is easier for the installation.



Ability to work under pressure, the modules can withstand the wind load of 2400Pa and snow load of 5400Pa.



Higher output power, module efficiency can be achieved to 16.31%.



Anti-reflection glass not only increases the absorption of light, but also has a self-cleaning function in the water environment. Reducing the power loss caused by dust effectively.

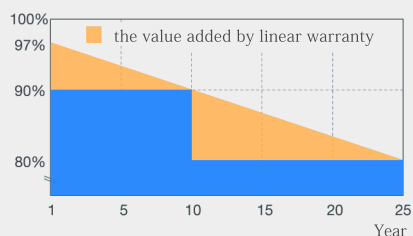


Excellent low-light power generation performance. (morning, evening and rainy days)

YI6A-220-260M series module consists of 60 pieces of 156mm\*156mm mono-crystalline silicon solar cells, which are in high efficiency. YI6A are widely used in on-grid system, including commercial, household and industrial large-scale solar power generation system. Yi-solar has the world-class quality certification and holds continued technological innovation. The company continues to meet the customer's demand for high quality products.

### First-class Quality Assurance

- 10 years limited product materials and process warranty
- 25 years linear power output warranty



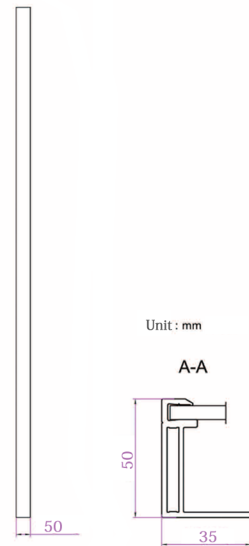
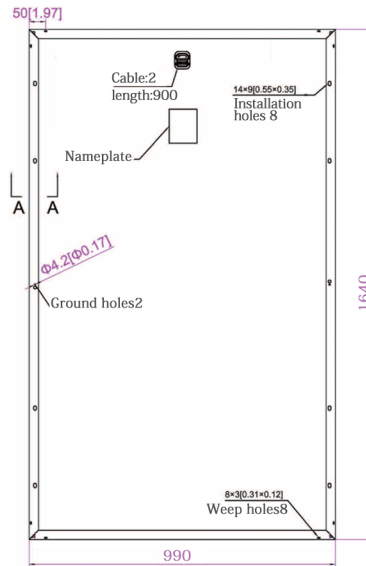
### Products and System Certification

- IEC 61215, IEC 61730, CE
- ISO9001:2008:ISO Quality Management System
- CGC Golden Sun Certification



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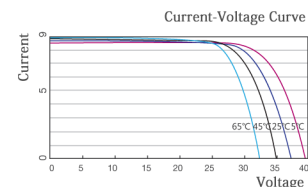
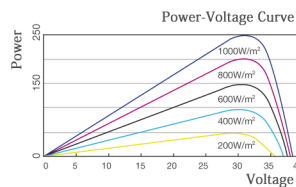
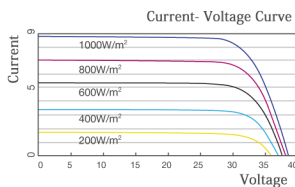
## Mechanical Parameters

|                                         |                      |
|-----------------------------------------|----------------------|
| Cell (mm)                               | Mono 156x156         |
| Weight (kg)                             | 21                   |
| Dimension(L×W×H) (mm)                   | 1640x990x50          |
| Cable Sectional Area (mm <sup>2</sup> ) | 4                    |
| No. of Cells                            | 60(6x10)             |
| No. of Diodes                           | 4                    |
| Connector                               | MC4 Compatible joint |
| Packaging Information                   | 26/26+2 Per pallet   |

## Working Parameters

|                                                    |                                                                     |
|----------------------------------------------------|---------------------------------------------------------------------|
| Maximum System Voltage                             | DC 1000V(TÜV)                                                       |
| Operating Temperature                              | -40°C ~ +85°C                                                       |
| Maximum Fuse Rated Current                         | 15A                                                                 |
| Maximum Static Load<br>Front(Wind Load, Snow Load) | 5400Pa (112 lb/ft <sup>2</sup> )<br>2400Pa (50 lb/ft <sup>2</sup> ) |
| Normal Operating Cell Temperature                  | 45±2°C                                                              |
| Application Class                                  | Class A                                                             |

## I-V Curve



## Electrical Parameters (Standard Test Condition)

| Module Type                                                                      | YI6A-225M                                                                             | YI6A-230M | YI6A-235M | YI6A-240M | YI6A-245M | YI6A-250M | YI6A-260M |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Maximum Power (W)                                                                | 225                                                                                   | 230       | 235       | 240       | 245       | 250       | 260       |
| Open Circuit Voltage (V <sub>oc</sub> /V)                                        | 36.50                                                                                 | 37.10     | 37.19     | 37.49     | 37.74     | 37.92     | 38.28     |
| Maximum Operating Voltage (V <sub>mp</sub> /V)                                   | 29.70                                                                                 | 29.90     | 30.36     | 30.56     | 30.76     | 30.96     | 31.36     |
| Short Circuit Current (I <sub>sc</sub> /A)                                       | 8.04                                                                                  | 8.22      | 8.49      | 8.54      | 8.58      | 8.62      | 8.67      |
| Maximum Operating Current (I <sub>mp</sub> /A)                                   | 7.65                                                                                  | 7.70      | 7.77      | 7.87      | 8.00      | 8.09      | 8.30      |
| Module Efficiency [%]                                                            | 13.85                                                                                 | 14.17     | 14.47     | 14.78     | 15.08     | 15.40     | 16.01     |
| Power Tolerance (W)                                                              | ±3%                                                                                   |           |           |           |           |           |           |
| Short Circuit Current (I <sub>sc</sub> ) Temp.Coefficient (ΔI <sub>sc</sub> /°C) | +0.049%/°C                                                                            |           |           |           |           |           |           |
| Open Circuit Voltage (V <sub>oc</sub> ) Temp.Coefficient (ΔV <sub>oc</sub> /°C)  | -0.340%/°C                                                                            |           |           |           |           |           |           |
| Maximum Power (P <sub>mp</sub> ) Temp.Coefficient (ΔP <sub>mp</sub> /°C)         | -0.430%/°C                                                                            |           |           |           |           |           |           |
| Standard Test Condition                                                          | Irradiation Intensity 1000W/m <sup>2</sup> , Module Temperature 25°C, Spectrum AM 1.5 |           |           |           |           |           |           |