



## 6000W Solar Energy Storage Solution With Integrated 60A MPPT Controller

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: JEK
- Certification: CE
- Model Number: SEJG
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



JEK-Solar power system

#### Product Specification

- Battery Capacity: 51.2V 200AH (Lithium Iron Phosphate)
- Rated Power: 6000W
- PV Input Power: 3300W (for High Lighting Applications)
- Maximum Output Voltage: 220V/230V  $\pm 5\%$
- Operating Temperature Range:  $-10^{\circ}\text{C}$  To  $+50^{\circ}\text{C}$
- Weight: 141 Kg (Net Weight)
- Highlight: **6000W Solar Energy Storage,**  
**220V Solar Energy Storage,**  
**230V solar power storage**

## Product Description

### JG-YT6000 Series Solar Energy Storage Solution with Integrated 60A MPPT Controller

#### Product Description

The JG-YT6000 series is an advanced solar lithium inverter generator, designed to offer robust energy solutions with integrated 60A MPPT controller for efficient solar power utilization. It features a lithium iron phosphate battery pack with a power output of up to 6000W, ensuring reliable performance for various off-grid applications. The inverter supports both 110V and 220V output options, with a pure sine wave output for stable and clean energy. Its built-in photovoltaic activation function ensures easy energy storage and optimized battery life. The system is highly adaptable to varying environmental conditions, making it ideal for residential, commercial, and industrial off-grid energy setups.

| ProductName  | Configuraton Parameter  | Desciption  | Remarks   |
|--|---|---|---|
| JG-YT1500-12V/24V<br><br>1500W solar lthium inverter generator 110V/220V | 1500W power frequency reverse control machine 110v/220v optional built-in 60A MPPT controller   | 1.Power frequency architecture<br>2.Built-in MPPT controller<br>3.With photovoltaic activation lithium battery function<br>4.Pure sine wave output<br>5.With mains complementary function<br>6.With mains charging function<br>7.5V-USB output 2<br>8.12V-DC output:2 | Machine size:445×315×550mm<br>Package size:480×370×685mm<br>Battery size:220×260×300mm<br>Netweight 49KG<br>Gross weight:58.5KG |
|  | 12Vsystem(Battery:Lthium iron phosphate 12.8V 200AHbattery pack)<br><br>24V system(Battery:Lthium iron phosphate 25.6V 100AHbattery pack) | 12V system:200AH 3.2V4 strings(12.8V 200AH 2060WH)<br>4 series iron lithium battery special high power protection board:200A<br>24V system:100AH3.2V8 strings(25.6V 100AH 2060WH)<br>8 series iron lithium battery special high power protection board:200A           | Lithium battery pack weight23.8KG   |
|  | Good lighting supporting photovoltaic panel:550w  | String combination mode:550W42V1 string(1 piece)  | Single size:2279×1134×35mm  |
|  | Light difference supporting photovoltaic panel:1100W  | String combination mode:550W42V2 string(2 piece)  | Single weight:28.6KG  |
|  | Accessories:Photovoltaic cable+Municipal electricity plug   | 2.5square meters long dedicated plug for mains electricity<br>2.5 square meters of solar dedicated cable with a length of 15 meters   | Wire weight3.9KG  |

|                   |  |   |  |
|-------------------|--|---|--|
|                   | 3000W power frequency reverse control al-in-one 110v/220v optional<br><br>Built-in 60A MPPT Controller                                     | 1.Power frequency architecture<br>2.Built-in MPPT controller<br>3.With photovoltaic activation lithium battery function<br>4.Pure sine wave output<br>5.With mains complementary function<br>6.With mains charging function<br>7.5V-USB output:2<br>8.12V-DC output:2 | Machine size:525×315×650mm<br>Package size:560×370×760mm<br>Battery size:420×260×300mm<br>Net weight:65KG<br>Gross weight 92.5KG |
| JG-YT3000-24V/48V | 24V system(Battery.Lthium iron phosphate 25.6V 200AHbattery pack)<br><br>48V system(Battery:Lthium iron phosphate 51.2V 100AHbattery pack) | 24V system:200AH 3.2V8 strings(25.6V 200AH 5120WH)<br>8series iron lithium battery special high power protectionboard:200A<br>48V system:100AH 3.2V16 strings(51.2V 100AH 5120WH)<br>16 series iron lithium battery special high power protection board:100A          | Lithium battery pack weight45.9KG  |

|  |   |  |  |
|--|---|--|--|
|  | Good lighting supporting photovoltaic panel:1100w         | String combination mode:550W 42V1 string(2 piece)  | Single size:2279×1134×35mm<br>Single weight:28.6KG |
|  | Light difference supporting photovoltaic panel:1650W      | String combination mode:550W42V3string(2 piece)  |  |
|  | Accessories:Photovoltaic cable+Municipal electricity plug | 4 square meters of solar dedicated cable with a length of 15 meters<br>4 square meters long dedicated plug for mains electricity | Wire weight:4.7KG                                  |

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|--|---|--|---|
|  | 6000W power frequency reverse control in-one 110v/220v optional<br>Built-in 60A MPPT Controller | 1.Power frequency architecture<br>2.Built-in MPPT controller<br>3.With photovoltaic activation lithium battery function<br>4.Pure sine wave output<br>5.With mains complementary function<br>6.With mains charging function<br>7.5V-USB output:2<br>8.12V-DC output2 | Machine size:645×380×755 mm<br>Package size:680×425×875 mm<br>Battery size:500×300×420 mm<br>Net weight 141KG<br>Gross weight:156KG |
| JG-YT6000-48V                                    |   |  |   |
| 6000W solar lithium inverter generator 110V/220V | Battery lithium iron phosphate 51.2V200AH battery pack  | 200AH 3.2V 16 strings(51.2V200AH 10240WH)<br>16 series iron lithium battery special high power protection board:200A   | Lithium battery pack weight 92.3KG  |
|  | Good lighting supporting photovoltaic panel:2200w   | String combination mode:550W 42V2 parallel 2 series(4 pieces)  | Single size:2279×1134×35mm<br>Single weight:28.6KG  |
|  | Light difference supporting photovoltaic panel:3300W  | String combination mode:550W42V2 parallel 3 series(6 pieces)   |   |
|  | Accessories:Photovoltaic cable+Municipal electricity plug                                       | 6 square meters of solar dedicated cable with a length of 15 meters<br>6 square meters long dedicated plug for mains electricity   | Wire weight 6.2KG   |

### Application

The JG-YT6000 series is suitable for off-grid applications such as residential homes, remote cabins, and outdoor event setups. It is also ideal for rural electrification projects, providing a sustainable energy solution where grid power is unavailable or unreliable. The system is designed for easy installation, supporting both photovoltaic and municipal electricity input for enhanced energy flexibility.

### Shipping Methods

Supports global air and sea shipping.



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