

## 10kWh 51.2V Rack Mounted Lithium Ion Solar Battery

### Basic Information

- Place of Origin: China
- Brand Name: TINKO/OEM
- Certification: CE/ROHS/MSDS/UN38.3
- Model Number: 5U
- Minimum Order Quantity: 1PC
- Price: Negotiable
- Packaging Details: 1pc/parer carton
- Supply Ability: 100pcs/day



### Product Specification

- Color: Black
- Installation: Rack-mounted
- Voltage: 51.2V
- Efficiency: 95%
- Warranty: 10 Years
- Chemistry: Lithium-ion
- Communication: Wi-Fi
- Cycle Life: 6000 Cycles
- Capacity: 10kWh
- Highlight: 51.2V solar energy storage battery ,  
10kwh solar energy storage battery ,  
10kwh solar battery 48v 200ah

## Product Description

### Rack Mounted 10kWh 51.2V Solar Energy Storage Battery

48V 200Ah lithium ion battery designed for solar systems, featuring premium LiFePO4 technology for superior performance and reliability.

#### Key Attributes

| Attribute     | Value        |
|---------------|--------------|
| Color         | Black        |
| Installation  | Rack-mounted |
| Voltage       | 51.2V        |
| Efficiency    | 95%          |
| Warranty      | 10 years     |
| Chemistry     | Lithium-ion  |
| Communication | Wi-Fi        |
| Cycle Life    | 6000 cycles  |
| Capacity      | 10kWh        |

#### Premium Features

**High-Quality Components:** Constructed with premium A-grade lithium iron phosphate cells for stability and reliability.

**Versatile Applications:** Ideal for telecommunications and various energy storage needs with strong performance.

**Robust Steel Design:** Durable metal casing with high water resistance for harsh environments.

**Intelligent BMS System:** Built-in smart Battery Management System with real-time monitoring display.

**Extended Cycle Life:** Long-lasting performance with 10-year warranty for worry-free operation.

#### Product Features

Compatible with over 20 inverters

Tier One, A+ Cell Composition

10.24kWh expandable up to 307.2kWh

99% Efficiency LiFePo4 16-Cell Pack with 51.2V voltage

Modular design for highest flexibility

10-20 year Design Life

Multiple communication interfaces: RS485, RS232, CAN

#### Technical Specifications

| N o. | Item                      | General Parameter                | Remark   |
|------|---------------------------|----------------------------------|--|
| 1    | Combination method        | 16S1P                            |  |
| 2    | Rated Capacity            | Typical: 206Ah<br>Minimum: 200Ah | Standard discharge after Standard charge(for the whole battery pack) |
| 3    | Factory Voltage           | 51V-53V(40-60%)                  | Operation Voltage  |
| 4    | Discharge cut-off Voltage | 40V                              |  |
| 5    | Charge cut-off Voltage    | 58.4V                            |  |
| 6    | Internal Impedance        | ≤40mΩ                            | Internal resistance measured at AC 1KHZ after 50% charge             |

|    |                                   |   |                                       |
|----|-----------------------------------|---|---------------------------------------|
| 7  | Standard charge                   | Constant Current 40A<br>Constant Voltage see No.5<br>0.02CA cut-off<br>Charge time: Approx 5.0h<br>Limiting current: 210A |                                       |
| 8  | Standard discharge                | Constant current:40A end voltage<br>see NO.4  |                                       |
| 9  | Maximum Continuous Charge Current | 210A  | $\geq 10^{\circ}\text{C}$             |
| 10 | Operation Temperature Range       | Charge: 0~55<br>Discharge: -20~60   | 60 $\pm$ 25%R.H.Bare Cell             |
| 11 | Storage Temperature Range         | Less than 12 months: -10~35<br>Less than 3 months: -10~45<br>Less than 7 day: -20~65                                      | 60 $\pm$ 25%R.H.at the shipment state |
| 12 | Dimensions                        | 600*482*223mm   | Include Bracket                       |
| 13 | Weight                            | Approx: 85kg  |                                       |



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