



51.2V100Ah Scalable and Lithium Battery Storage for Off-Grid Solar Power Systems

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: TP
- Certification: CE
- Model Number: LC51.2
- Minimum Order Quantity: 18 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



SK-Li-Cube 4U Rack Mounted Lithium Battery with 6000 Cycles Cells

Product Specification

- Battery Type: LiFePO4
- Total Energy: 10,240Wh
- Voltage Window: 44.8V – 58.4V
- Maximum Continuous Discharge Current: 150A
- Cycle Life: >6000 Cycles
- Communication: CAN, RS485
- Highlight: **scalable lithium battery storage,
scalable commercial energy solutions,
150a lithium battery storage**

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Product Description

51.2V100Ah Scalable and Lithium Battery Storage for Off-Grid Solar Power Systems

- Flexible expansion.
- 4U rack mounted design.
- 5 Years warranty, 6000 cycles cells, 5+ years life design.
- Integrated with multiple communication protocols for 10+ brands of inverters.

Product Description:

The SK-51.2V200Ah Li-Cube Series is a high-performance LiFePO₄ battery system designed for maximum energy storage efficiency and safety. With total energy capacity of 10,240Wh, this system features excellent charge and discharge capabilities, supporting up to 200A of continuous discharge. Its advanced BMS provides all-around protection, making it ideal for critical applications in residential and industrial energy storage. The system supports flexible expansion and can be scaled up to 15 units in parallel. With a robust cycle life of over 6000 cycles at 0.5C, this product guarantees long-lasting performance. It is suitable for wall-mounted or rack-mounted installation and integrates easily with multiple inverter brands through CAN and RS485 communication protocols. The IP20 rating ensures safe operation in various environments, while a sleek design makes it easy to install.

MODEL	SK-51.2V100Ah Li-Cube series	SK-51.2V200Ah Li-Cube series
Battery Type	LiFePO4	
Total Energy	5120Wh	10240Wh
Usable Energy(90%DOD)	4608Wh	9216Wh
Voltage window	44.8 58.4V	44.8 58.4V
Fast Charge Voltage	57.6V	57.6V
Folat Charge Voltage	56.0V	56.0V
Low DC Cut-offVoltage	46.8V	46.8V
Max.continue dischargecurrent	100A	150A
Max.pulse discharge current	150A1Sec.	200A 1Sec.
Max.continue charge current	50A	100A
Scalable	1~15inparallel	
Communication	CAN,RS485	
Cycle life	>6000 Cycles@(+25℃,0.5C,90%DOD,60%EOL)	
Terminal	double M6	
Storage temperature	0℃~30℃	
Storage duration	6months at25℃	
Safety standard	UN38.3,MSDS	
IP degree	IP20	
PROTECTION		
Protection	Over chargeprotection,Overdischarge protection,Over current protection Shortcircuit protection,Over temperature protection	
AMBIENT		
Working Temperature	-10℃~+50℃	
Humidity	0~95%(no condensation)	
DIMENSION		
L×WXH(productssi ze)mm	565*440*176mm	800*440*176mm
L×WXH(package size)mm	665*530*276mm(UN carton)	905*535*306mm(UN wooden cases)
Weight(NWKg)	46.0Kg	75.0Kg
Weight(GWKg)	51.0Kg	86.5Kg

Application:

This battery system is ideal for use in off-grid solar power storage, industrial backup systems, and residential energy storage applications. Its high reliability and large energy capacity make it suitable for environments requiring consistent, high-performance power output, such as data centers, telecom stations, and large household power systems. Its ability to integrate with popular inverter brands also makes it flexible for various solar and renewable energy systems.

Shipping Methods

Supports global air and sea shipping.



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