



48V 51.2V 50Ah 100Ah 200Ah Lithium Battery Storage With Touch Monitor For Home Energy

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: ZJDK
- Certification: CE ROHS FCC UN38.3 MSDS ISO9001
- Model Number: ZJDK-DKM 4850/48100/48200
- Minimum Order Quantity: 8 set
- Price: consult prices online
- Packaging Details: 500*240*630mm
- Payment Terms: T/T



ZJDK-DKM-48200

Product Specification

- Capacity: 4.8KWh
- Standard Discharge Current: 50A
- Max Discharge Current: 100A
- Working Voltage Range: 40.5-54VDC
- Standard Voltage: 48VDC
- Max Charging Current: 50A
- Max Charging Voltage: 54V
- Cycle: @DOD 80% / 25°C / 0.5C / 3000~6000 Cycles
- Highlight: **48V Lithium Battery Storage,
51.2V Lithium Battery Storage,
200Ah home lithium battery storage**



ZJDK-DKM-4850

More Images



ZJDK-DKM-48100

Product Description

48V 100Ah Lithium Battery Storage with Touch Monitor for Home Energy Needs

Product Description

In today's rapidly evolving energy landscape, the DKM series energy storage system emerges as a game-changer, offering consumers a pathway to energy independence and sustainability. Built with state-of-the-art prismatic aluminum-cased lithium iron phosphate (LiFePO4) cells, this system combines cutting-edge technology with unparalleled safety and longevity. The intelligent Battery Management System (BMS) ensures not just optimal performance but peace of mind, as it meticulously safeguards the battery against potential risks such as overcharging, overheating, and deep discharge.

For the modern homeowner or business, aesthetics matter just as much as functionality. The DKM Series meets this demand with a sleek, contemporary design that seamlessly blends into any environment. But its beauty isn't just skin-deep; this system is engineered for flexibility and ease of installation, making it an ideal choice for those looking to customize their energy solutions without the hassle.

The system's user-friendly touchscreen LCD display puts control at your fingertips, offering real-time data visualization that empowers you to monitor and manage your energy consumption efficiently. Compatible with a wide range of photovoltaic inverters, the DKM Series doesn't just store energy—it enhances your entire energy ecosystem, ensuring you get the most out of your solar investment.

Mode	DK4850		DK48100		DK48200	
Specification	48V50Ah	51.2V50Ah	48V100Ah	51.2V100Ah	48V200Ah	51.2V200Ah
Combination	15S1P	16S1P	15S1P	16S1P	15S1P	16S1P
Capacity	2.4KWh	2.56KWh	4.8KWh	5.12KWh	9.6KWh	10.24KWh
Standard discharge current	50A	50A	50A	50A	50A	50A
Max.discharge current	100A	100A	100A	100A	100A	100A
Working voltage range	40.5-54VDC	43.2-57.6VDC	40.5-54VDC	43.2-57.6VDC	40.5-54VDC	43.2-57.6VDC
StandardVoltage	48VDC	51.2VDC	48VDC	51.2VDC	48VDC	51.2VDC
Max.charging current	50A	50A	50A	50A	100A	100A
Max.charging voltage	54V	57.6V	54V	57.6V	54V	57.6V
Cycle	3000-6000cycles @DOD 80%/25°C/0.5C					
Working humidity	65±20%RH					
Operating temperature	-10~+50°C					
Working altitude	≤2500m					
Cooling method	Natural cooling					
Installation	Wall mount					
Protection level	IP20					
Max of parallel	15PCs					
Warranty	5-10Years					
Communication	Default:RS485/RS232/CAN Optional:WiFi/4G/Bluetooth					
Certified	CE ROHS FCC UN38.3 MSDS					
Product Size	400*180*585mm		400*180*585mm		400*180*610mm	
Package Size	500*240*630mm		500*240*630mm		460*240*650mm	
Netweight	35kg	40kg	42kg	46kg	102kg	106kg
Gross weight	40kg	45kg	50kg	54kg	112kg	116kg
*Voltage,capacity,size/color customization,OEM/ODM services canbe provided according to customerneeds						



LOW VOLTAGE
PROTECTION



OVER VOLTAGE
PROTECTION



OVER CURRENT
PROTECTION



OVER TEMPERATURE
PROTECTION



BALANCED
PROTECTION



OVER DISCHARGE
PROTECTION



SHORT CIRCUIT
PROTECTION

Application

The DKM series energy storage system is more than just a product; it's an investment in your future. Whether you're looking to reduce your energy bills, safeguard against power outages, or contribute to a greener planet, this system is your perfect partner. For homeowners, it offers the ability to store excess solar energy during the day and use it at night, reducing reliance on the grid and providing long-term savings. In commercial and industrial settings, the DKM Series ensures operational continuity and resilience by acting as a reliable backup power source. For agricultural applications, it supports energy-intensive processes with clean, sustainable power, helping you reduce your carbon footprint.

By choosing the DKM Series, you're not just buying an energy storage system—you're making a commitment to a smarter, more sustainable way of living. This system is designed to meet the needs of today's energy-conscious consumers who demand reliability, efficiency, and innovation in their energy solutions.

Shipping Methods

Supports global air and sea shipping



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