



Vertical Home Energy Storage Battery 12.8kwh Lifepo4 Lithium Ion Battery 48 Volt 250ah

Our Product Introduction

for more products please visit us on enikolnewenergy.com

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ENIKOL
- Certification: CE, FCC, UKCA, UN38.3, MSDS
- Model Number: ESK-4825CV
- Minimum Order Quantity: 1 set
- Price: \$1,537.00/sets 5-49 sets
- Packaging Details: Colorful box
- Supply Ability: 1000 Piece/Pieces per Week

ENIKOL



51.2V

250Ah

Product Specification

- The Charging Ratio: 99%
- The Discharge Rate: 98%
- Anode Material: LFP
- Application: Home Appliances, Consumer Electronics, BOATS, Golf Carts, SUBMARINES, Electric Bicycles/Scooters, Electric Vehicles, Electric Wheelchairs, Electric Power Systems, Solar Energy Storage Systems, Uninterruptible Power Supplies, Electric Forklifts, Electric Fo
- Rated Capacity: 250AH (12800WH)
- Rated Voltage: 51.2V
- Display: LCD
- Cycle Life: ≥6000 Times
- Max Parallel: 64 Sets
- Color: Black/ Green
- Shell Material: Painted Steel Shell(Optional)
- Communication Function: RS485/RS232/CAN Protocol



More Images



Product Description

Large Capacity 12.8kwh Vertical Battery With Lifepo4 Solar Power System 48 Volt Lithium Ion Battery 250ah

Backup power during outages: When the grid goes down, a home energy storage battery can provide a reliable source of backup power, ensuring that critical appliances and systems, such as refrigeration, lighting, and medical equipment, remain operational.

Increased self-consumption of solar energy: Homeowners with solar panels can increase their self-consumption of solar energy by storing excess electricity generated during the day and using it at night or during periods of low solar production.

Model	ESK-4825CV
Rated Capacity	250AH(12800WH)
Rated Voltage	51.2V
Discharge end voltage	44.0V
Charging limit voltage	58.4V
Warranty	5 years
Design life	More than 20 years
Charging temperature	0 to +50
Operating temperature	-20 to +65
Communication function	RS485/RS232/CAN protocol
Protection functions	overcharge protection, over-discharge protection, over-current protection, short circuit protection, over-temperature protection, and low battery alarm.

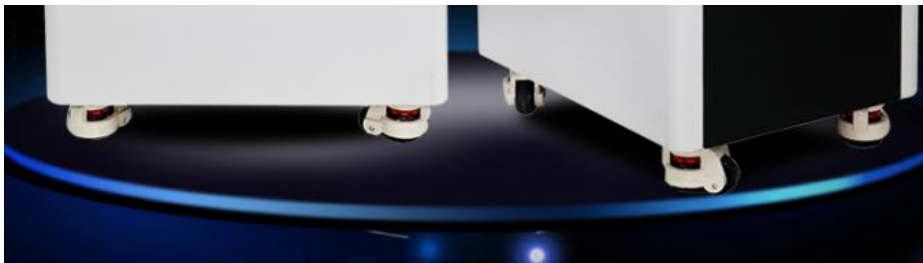
Product Description

LiFePO4 Solar Battery

Provides OEM/ ODM services, full technical support,
professional solar system solutions based on project demands.

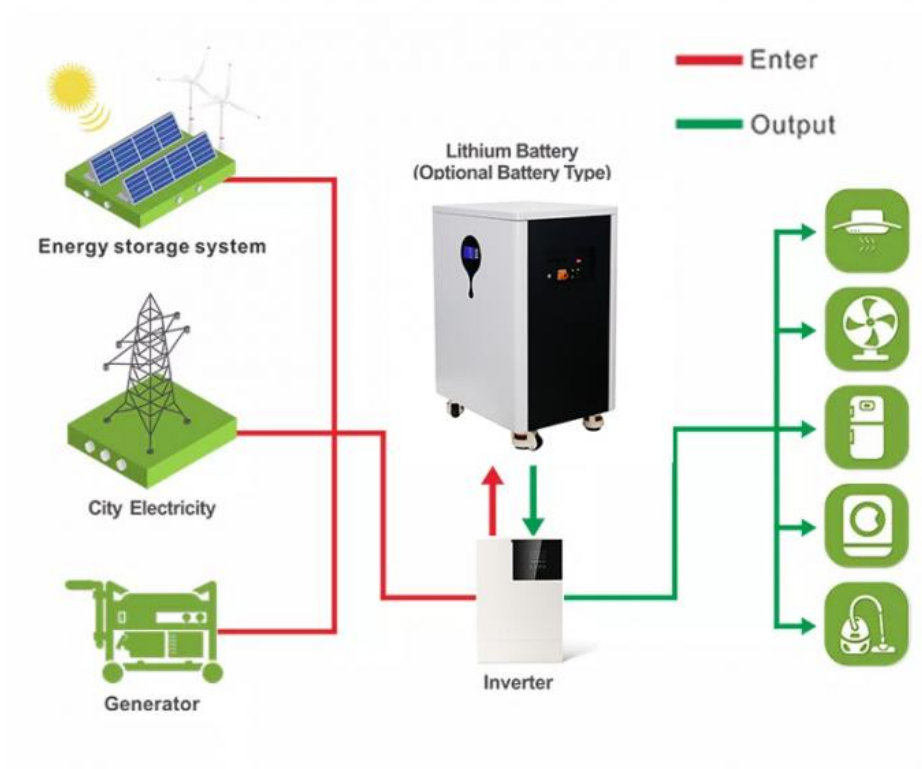
Meet household electricity demand



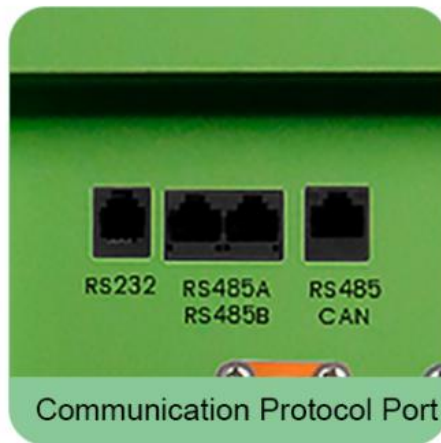


- Vertical design with wheels for easy movement
- Maximum support 64 sets in parallel
- 24V, 48V LiFePO4 pack, Safe, reliable and longer life
- Built-in intelligent BMS system to balance all cells in short time.
- Built-in automatic protection can prevent overcharge, overdischarge, overvoltage, short circuit and over temperature
- With RS485/RS232/CAN communication functions better match solar inverter
- Cycle life ≥ 6000 times, 5 years warranty, design life is 20 years
- LCD display showing the working data
- With equalization module, all-round protection and unattended operation
- Home energy storage, photovoltaic energy storage projects, Wind energy storage, UPS, Energy storage of base station, Fire emergency equipment, RV, etc.

Product connection diagram



Detail display



Internal structure display



Product details

· ESK-2425CV



· ESK-4825CV



Item	Specification	
Model	ESK-2425CV	ESK-4825CV
Rated capacity	250AH (6400WH)	250AH (12800WH)
Rated voltage	25.6V	51.2V
Charging voltage	29.2V	58.4V
Max charging current	100A	
Max continuous discharge current	100A	

Weight	75kg	130kg
Dimension (L * W * H) mm	555*410*460	555*410 *770
Display	LCD display	
Warranty	5 years	
Cycle life	≥ 6000 times	
Max parallel	64 sets	
Shell material	Painted steel shell	
Charging temperature	0 to + 55 ° C	
Operating temperature	-20 to + 65° C	
Communication function	CAN/RS485/RS232	
Certificate	CE FCC UKCA UN38.3 MSDS	
Protection functions	Overcharge protection, over discharge protection, over-current protection, short circuit protection, over temperature protection and low voltage alarm.	

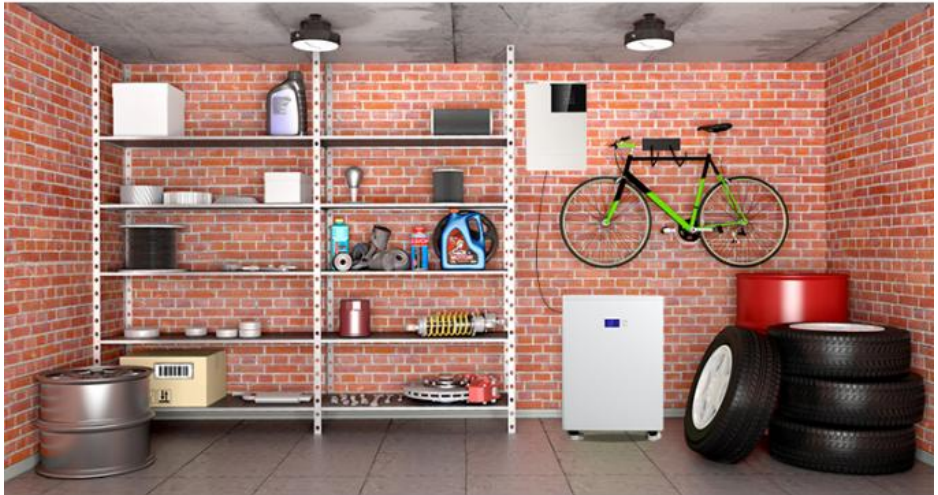




Application scenarios









Our Cooperation Partner

LONGi 隆基

PHILIPS



Schneider
Electric
施耐德电气



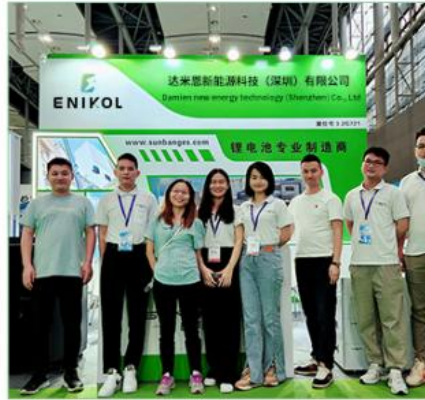
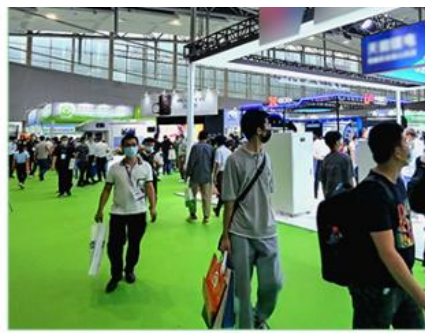
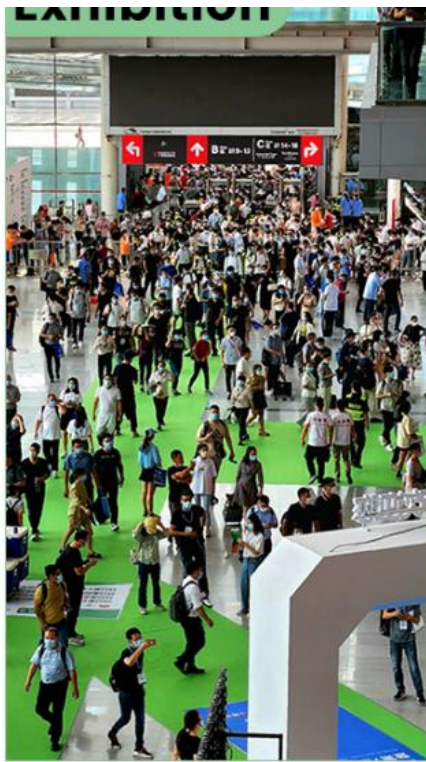
ZTE 中兴



EVE 亿纬锂能

CATL
宁德时代





Complete Product Certification



