



Wall-mounted Storage Battery

ES-LV-5



Bluetooth + WiFi

real - time monitoring



Safer to Use

High-density LiFePO4 battery



Long Battery Life

6000 cycles life (DOD 80%)



Touch Screen Control

is available for this device



Stable & Reliable

Advanced BMS management



Widely Compatible

Compatible with mainstream inverters



Knyee Energy belongs to the CHILWEE Group, one of the largest battery companies in China. We are a high-tech enterprise focusing on the production of energy storage batteries, mainly for research and development, production, sales of residential energy storage microgrid and commercial energy storage products, also providing total solutions.

Group Honors

C H I L W E E

🏆 Top 500_2023 Global New Energy Enterprises

🏆 Top 500_Manufacturers in China

🏆 Top 10_New Energy Battery Industry in China

🏆 Top 500_Private enterprises in China

🏆 China Patent Gold Award

🏆 China Grand Awards for Industry



Model

ES-LV-5

Basic Information

Nominal Voltage	51.2V DC
Voltage Range	44V-58.4V
Nominal Capacity	100Ah
Rated Capacity	5.12kWh
Communication Protocol	CAN / RS485 / RS232
Max. Number of Parallel Connections	32
Cycle Life	6000 cycles (25°C@80% DOD)
Protection Mechanism	Temperature Protection/Over-current Protection/Short-circuit Protection Over-charge Protection/Over-discharge Protection/Low-voltage Protection

Charging Parameters

Recommended Charging Current	50A
Max. Charging Current	100A
Recommended Charging Voltage	58V
Max. Charging Voltage	58.4V

Discharging Parameters

Recommended Discharging Current	50A
Max. Discharging Current	100A
Recommended Battery Discharge Cut-off Voltage	44V
Battery Cut-off Voltage	43.2V
Battery Recovery Voltage	48V

Product Functions

Screen Type	Touch Screen
Communication	Bluetooth + WiFi
Function	Auto-dialling communication

General Parameters

Dimension	640*380*160mm
Protection Rating	IP20
Net Weight	45.2KG
Shell Material	Sheet Metal

Certification & Safety Standard

Certification	CE /UN38.3,Class9
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Temperature Parameters

Discharging Temperature	-20~60°C
Charging Temperature	0~55°C
Storage Temperature	-20~45°C