

Bluetooth + WiFi
real - time monitoring

Safer to Use
High-density LiFePO4 battery

Long Battery Life
8000 cycles life (DOD 80%)

Touch Screen Control
is availablefor this device

Stable & Reliable
BMS
Advanced BMS management

Widely Compatible
Compatible with mainstream inverters

超威集团 CHILWEE · KNYEE ENERGY

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

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Model	ES-LV-16 PLUS

Basic Information

Nominal Voltage	51.2V DC
Voltage Range	44V-58.4V
Nominal Capacity	314Ah
Rated Capacity	16.08kWh
Communication Protocol	CAN / RS485 / RS232
Max. Number of Parallel Connections	32
Cycle Life	8000 cycles (25℃@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	100A
Max. Charging Current	200A
Recommended Charging Voltage	58V
Max. Charging Voltage	58.4V

Discharging Parameters

Recommended Discharging Current	100A
Max. Discharging Current	200A
Recommended Battery Discharge Cut-off Voltage	44V
Battery Cut-off Voltage	44V
Battery Recovery Voltage	48V

Product Functions

Screen Type	Touch Screen
Communication	Bluetooth + WiFi
Function	Auto-dialling communication
Fire Protection System	Built - in aerosol fire extinguisher

General Parameters

Dimension	900*460*245mm
Protection Rating	IP20
Net Weight	118.4kg
Shell Material	Sheet Metal

Certification & Safety Standard

Certification	IEC 62619 / CE / UN38.3 / MSDS

Temperature Parameters

Discharging Temperature	-20∽60℃
Charging Temperature	0∽55℃
Storage Temperature	-20∽45℃