

# Floor Type Energy Storage Battery

ES-LV-16



51.2V 314Ah (16.08kwh)



**Bluetooth + WiFi**  
real - time monitoring



**Safer to Use**  
High-density LiFePO4 battery



**Long Battery Life**  
8000 cycles life (DOD 80%)



**Touch Screen Control**  
is available for this device



BMS

**Stable & Reliable**  
Advanced BMS management



**Widely Compatible**  
Compatible with mainstream inverters

**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

**Deye** 德業®

**GROWATT**  
古 瑞 瓦 特

**solis**

**高斯宝电气**  
Gospower

**MEGAREVO**

**GOODWE**

**CHISAGE ESS**

**Afore** 艾伏

**MUST** 美世乐

**SRNE** 硕日

**Felicity solar**®  
Max Energy Storage

**invt** 英威腾

## Model

ES-LV-16

### 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°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	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	115kg
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