



# LPSSH Series Stackable Slim HV

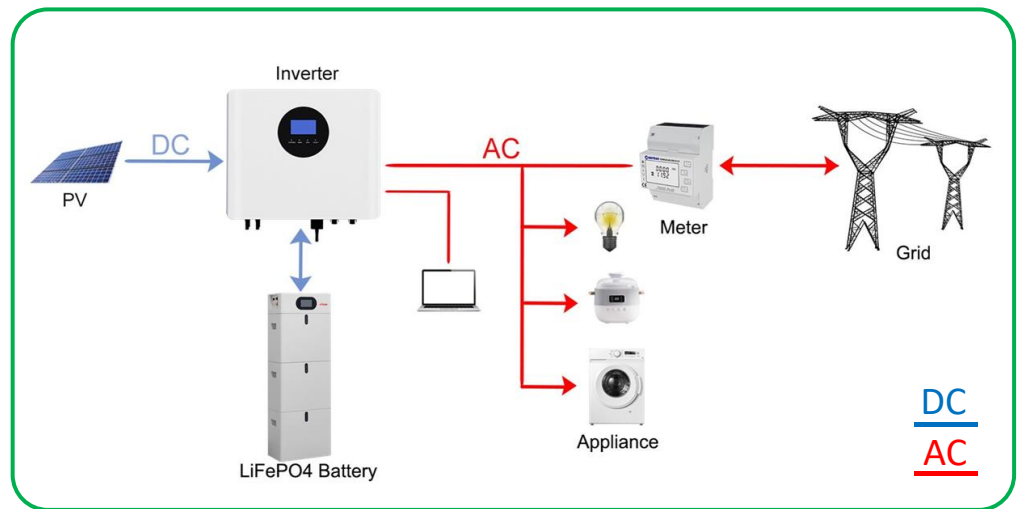


## Lithium Iron Phosphate (LiFePO4) Batteries

CSSUN'S LPSSH Series high-voltage lithium battery Slim brick features a stackable design for easy integration into a variety of applications. With a voltage of 102V up to 512V, this battery is ideal for use in renewable energy systems and other high-power applications. The advanced lithium-ion technology provides exceptional energy density and longevity, making it an excellent choice for both residential and commercial use. Additionally, our server brick battery with lifepo4 technology provides a reliable and stable power source for data centers and other demanding environments. Made with high-quality materials and advanced manufacturing techniques, these batteries offer unmatched performance and durability.

### Product Features

- **Slim Modular Scalability:** Allows seamless scalability from small to large energy storage systems, accommodating varying power demands.
- **High Energy Density:** Provides efficient energy storage in limited space, suitable for applications requiring compact solutions like server racks and renewable energy systems.
- **Advanced Safety Features:** Incorporates comprehensive safety mechanisms such as overcharge and over-discharge protection, ensuring safe and reliable operation.
- **Long Lifecycle and Durability:** Engineered for extended service life with minimal degradation, reducing maintenance costs and enhancing system reliability.
- **Integration Flexibility:** Designed for easy integration into diverse applications including solar energy and UPS systems, offering flexibility and compatibility across different setups.



### Applications

- Home Power System
- Solar/wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Shop Power System



### BMS of LiFePO4 Battery

- Overcharge detection function
- Over discharge detection function
- Over current detection function
- Short circuit detection function
- High Temperature protection
- Low Temperature protection
- Cell Voltage Balance function

### Standards

- IEC62619
- MSDS, UN38.3
- DG Packing Certification
- Passed ISO9001, ISO4001
- CE, CEI 0-21, PSE
- UL and Golden Sun Certification
- Global Insurance

## Main Parameters Table

Model	LPSSH204V50 10KWh	LPSSH307V50 15KWH	LPSSH409V50 20KWH
Nominal Voltage	204V	307V	409V
Rated Capacity	50Ah	50Ah	50Ah
Charge Cut-Off Voltage	232V	350V	466V
Discharge End Voltage	169V	255V	339V
Communication Mode	RS485/CAN	RS485/CAN	RS485/CAN
Dimension (mm)	430*230*872mm	430*230*1233mm	430*230*1594mm
Weight (kgs)	94kgs	136kgs	176kgs



Bluetooth OPT

LiFePO4 Lithium-ion Battery Pack

- Convenient to expand capacity
- Support Customization
- Automotive-Grade Security Architecture BMS
- Plug and Play
- Fashion Design
- Long Cycle Life