

Lithium Iron phosphate Battery Stack-Based

Brief Introduction



LPSB series Stack-Based Brick Type battery system is 48V/51.2V system for communications back-up type LiFePO₄ (lithium iron phosphate) battery products, the system uses the advanced LiFePO₄ battery technology with the benefit of long cycle life, small size, light weight, safety and environmental protection, and has a strong environmental adaptability, it is idea for harsh outdoor environments.

The system also integrates a smart battery management and monitoring module, support for remote centralized monitoring and remote battery management and maintenance, to meet the requirements of unattended. Therefore, the LPS system can fully meet the backup power supply requirements of the access network equipment, mobile communications equipment, transmission equipment, micro base stations and microwave communication equipment.

Applications

Solar Energy/Off-Grid Solar System

BTS Stations, Telecom System, BT Tower

Access net work system

UPS System, EPS System

Terminal of FTTX

General features

Able to operate at -20~60°C

≥ 6000 times Cycles

Easy installation, wall-mounted

Long life high stability under high-temp. environment (no cooling needed)



Complied Standards

IEC62619	RoHS/Reach
PSE/UL	GB/T19638
CB/CE	ISO9001



LiFePO₄ Advantage

- Battery Management System built-in which protects the battery from short circuits, overloads and deep discharge.
- Built-in automatic protection for over-charge, over-discharge & over-temperature conditions
- The BMS also balances cells in order to guarantee longer battery life.
- Safe Lithium Iron Phosphate Technology
- Thousands of cycles, under normal conditions
- Excellent high temperature performance -20°C to 60°C
- Low self discharge rate of 2 years before required recharging
- High energy density and conversion efficiency
- Can use most standard VRLA chargers for this system
- Environmental Friendly, without any heavy metals
- Maintenance free throughout lifetime





Durable Lithium Battery use CSSUN

LPSB Series LiFePO4 Battery

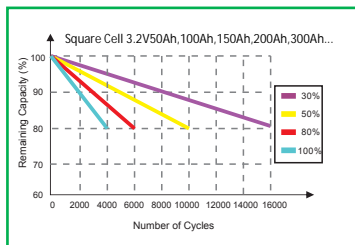
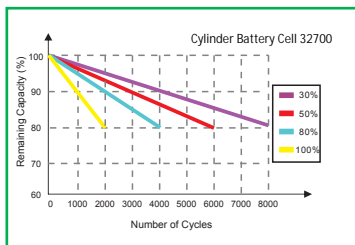
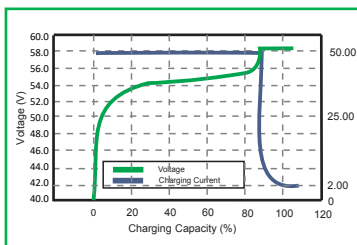
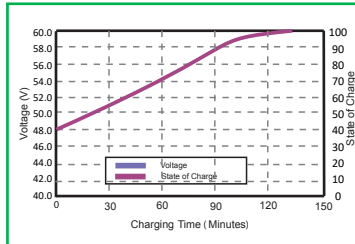
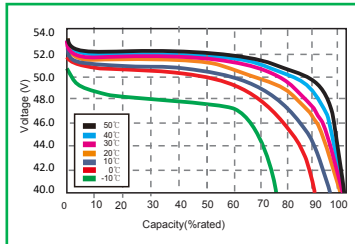
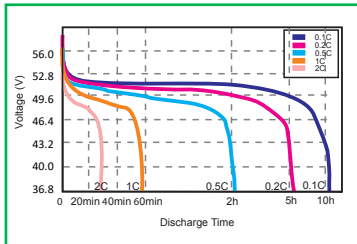
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📦 LPSB Series LifePO4 Battery Items specifications

Model	Voltage	Capacity (Ah)	Dimension (mm)			Weight kgs	Communicate	Power Capacity
	(V)		L	W	H			
LPSB48V200	48.0V	200Ah	585	360	625	92kgs	RS485/CAN	9.60KWh
LPSB48V300	48.0V	300Ah	585	360	800	138kgs	RS485/CAN	14.40KWh
LPSB48V400	48.0V	400Ah	585	360	975	184kgs	RS485/CAN	19.20KWh
LPSB48V500	48.0V	500Ah	585	360	1150	240kgs	RS485/CAN	24.00KWh
LPSB48V200H	48.0V	200Ah	585	360	625	94kgs	RS485/CAN	9.60KWh
LPSB48V300H	51.2V	300Ah	585	360	800	140kgs	RS485/CAN	15.36KWh
LPSB48V400H	51.2V	400Ah	585	360	975	187kgs	RS485/CAN	20.48KWh
LPSB48V500H	51.2V	500Ah	585	360	1150	244kgs	RS485/CAN	25.60KWh



📦 Performance Characteristics



Notice: Voltage Based on 16S 3.2 Cell 51.2V

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