

### Lithium Iron phosphate Battery UP Stand

#### Brief Introduction

LPUS series Stack-Based Brick Type battery system is 48V/51.2V system for communications back-up type LiFePO<sub>4</sub> (lithium iron phosphate) battery products, the system uses the advanced LiFePO<sub>4</sub> 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 LPUS 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





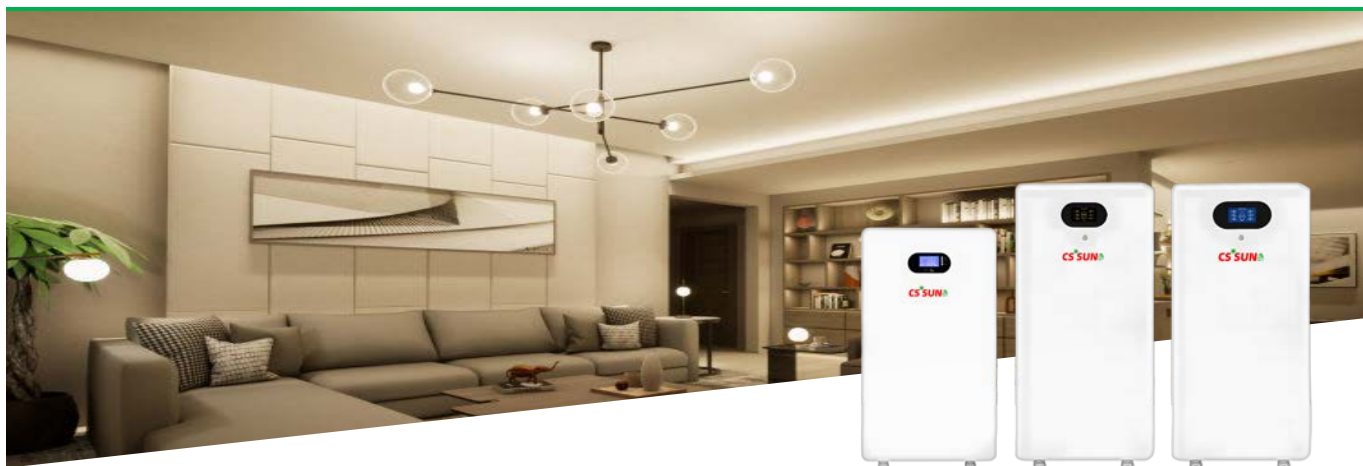
# Durable Lithium Battery use CSSUN

## LPUS Series LiFePO4 Battery

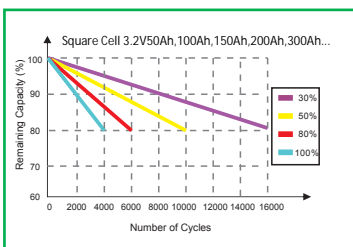
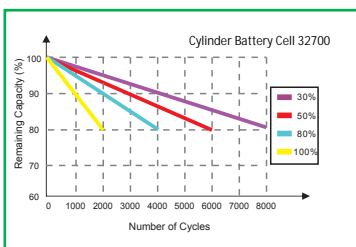
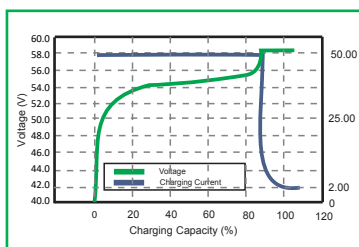
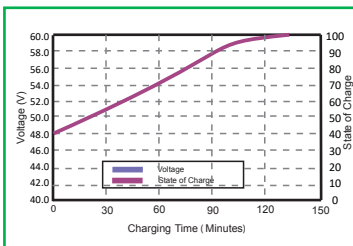
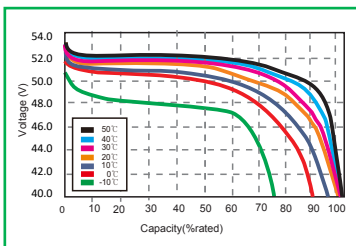
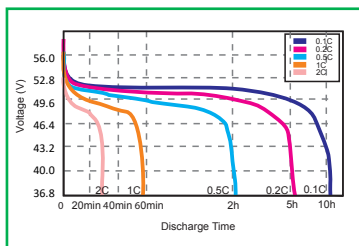
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#### LPUS Series LifePO4 Battery Items specifications

Model	Voltage (V)	Capacity (Ah)	Dimension (mm)			Weight kgs	Communicata	Power Capacity
			L	W	H			
LPUS48V200	48.0V	200Ah	485	145	850	95kgs	RS485/CAN	9.60KWh
LPUS48V280	48.0V	280Ah	485	400	837	117kgs	RS485/CAN	13.44KWh
LPUS48V400	48.0V	400Ah	485	400	1025	169kgs	RS485/CAN	19.20KWh
LPUS48V200H	51.2V	200Ah	485	145	850	97kgs	RS485/CAN	10.24KWh
LPUS48V280H	51.2V	280Ah	485	400	837	119kgs	RS485/CAN	14.34KWh
LPUS48V300H	51.2V	300Ah	485	400	837	134kgs	RS485/CAN	15.36KWh
LPUS48V320H	51.2V	320Ah	485	400	837	149kgs	RS485/CAN	16.38KWh
LPUS48V400H	51.2V	400Ah	485	400	1025	171kgs	RS485/CAN	20.48KWh



#### Performance Characteristics



Notice: Voltage Based on 16S 3.2 Cell 51.2V

Address: Building Evolution, Xingdong industry Park, NO.61, Liuxian 2nd Road, Baoan, Shenzhen, China.

Phone: +86-755-29123661 || Email: Sales@cssun.net

Website: <https://www.cssun.net>

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