

#### Brief Introduction



LPR series battery system is 48V/24V/12V 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 LPR 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

Terminal of FTTX

BTS Stations, Telecom System, BT Tower

Access net work system

UPS System, EPS System

Solar Energy/Off-Grid Solar System

Indoor distribution system

Internet data center(IDC)

#### General features

Able to operate at -20~60°C

≥ 6000 times Cycles

Easy installation, can be in 19-inch standard cabinet or be wall-mounted

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

M6 terminals on front panel

Build in BMS



#### Complied Standards

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



#### LiFePO<sub>4</sub> 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
- Flame retardant system to UL94V-0
- 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

## LPR Series LiFePO4 Battery

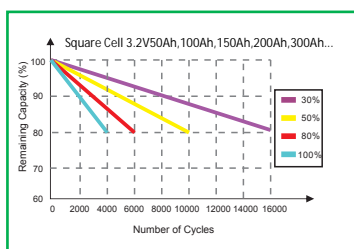
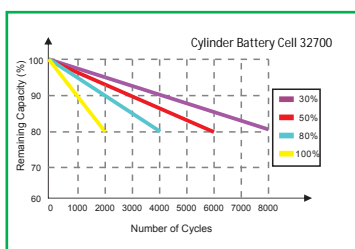
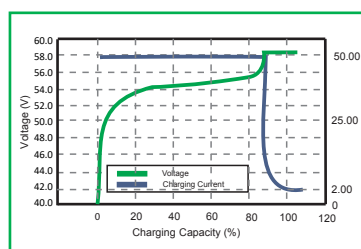
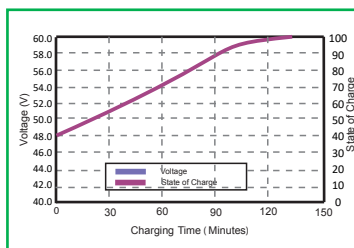
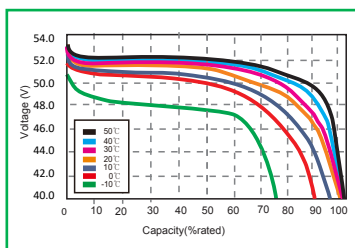
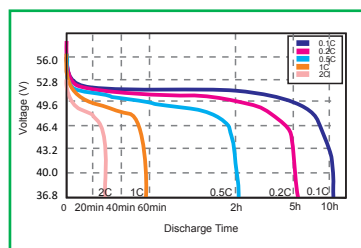
### Lithium Iron phosphate Battery for 19' Rack Cabinet

#### 📦 LPR Series LifePO4 Battery Items specifications

Model	Voltage Capacity		Dimension (mm)			Weight kgs	Square Cell connect	Cycles
	(V)	(Ah)	L	W	H			
LPR12V50	12.8V	50Ah	390	442	45	11kgs	4S1P S	≥6000 80%DOD
LPR12V100	12.8V	100Ah	365	442	88	17kgs	4S1P S	≥6000 80%DOD
LPR12V200	12.8V	200Ah	405	442	177	34kgs	4S1P S	≥6000 80%DOD
LPR24V50	25.6V	50Ah	365	442	88	16kgs	8S1P S	≥6000 80%DOD
LPR24V100	25.6V	100Ah	269	442	113	25kgs	8S1P S	≥6000 80%DOD
LPR24V200	25.6V	200Ah	573	442	210	40kgs	8S1P S	≥6000 80%DOD
LPR48V50	48.0V	50Ah	269	442	133	24kgs	15S1P S	≥6000 80%DOD
LPR48V100	48.0V	100Ah	420	442	113	38kgs	15S1P S	≥6000 80%DOD
LPR48V150	48.0V	150Ah	385	442	312	61kgs	15S1P S	≥6000 80%DOD
LPR48V200	48.0V	200Ah	420	442	226	78kgs	15S1P S	≥6000 80%DOD
LPR48V50H	51.2V	50Ah	405	442	133	23kgs	16S1P S	≥6000 80%DOD
LPR48V75H	51.2V	75Ah	445	442	177	35kgs	16S1P S	≥6000 80%DOD
LPR48V100H	51.2V	100Ah	420	442	113	40kgs	16S1P S	≥6000 80%DOD
LPR48V150H	51.2V	150Ah	385	442	312	64kgs	16S1P S	≥6000 80%DOD
LPR48V200H	51.2V	200Ah	420	442	226	80kgs	16S1P S	≥6000 80%DOD
LPR48V280H	51.2V	280Ah	715	442	231	109kgs	16S1P S	≥6000 80%DOD
LPR48V300H	51.2V	300Ah	715	442	231	112kgs	16S1P S	≥6000 80%DOD

Notice: welcome customized 48V/51.2V Over 200Ah capacity battery system, pls inquiry our sales.

#### 📦 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>

Copyright© 2022 CSSUN Energy Co., Ltd