

LPR Series LiFePO4 Battery

Lithium Iron phosphate Battery for 19' Rank Cabinet

Brief Introduction

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

DOD 100% >2000 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

UN38.3

RoHS/Reach

ISO

CE



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
- 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

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LPR Series LifePO4 Battery Items specifications

Model	Voltage (V)	Capacity (Ah)	Dimension (mm)			Weight (kgs)	Cell connect	Cell Cycle 100% DOD
			L	W	H			
LPR12V50	12	50	390	442	45	11	4S9P	>2000
LPR12V100	12	100	365	442	88	17	4S17P	>2000
LPR12V200	12	200	405	442	177	34	4S34P	>2000
LPR24V10	24	10	240	442	45	7	8S2P	>2000
LPR24V20	24	20	365	442	45	10	8S4P	>2000
LPR24V50	24	50	365	442	88	16	8S9P	>2000
LPR24V100	24	100	405	442	177	34	8S17P	>2000
LPR24V200	24	200	573	442	210	57	8S34P	>2000
LPR48V10	48	10	300	442	45	9	15S2P	>2000
LPR48V20	48	20	300	442	88	14	15S4P	>2000
LPR48V30	48	30	375	442	88	17	15S5P	>2000
LPR48V50	48	50	405	442	133	33	15S9P	>2000
LPR48V75	48	75	445	442	177	46	15S13P	>2000
LPR48V100	48	100	475	442	210	53	15S17P	>2000
LPR48V200	48	200	600	600	1000	145	2*48100	>2000
LPR48V10H	51.2	10	300	442	45	9.4	16S2P	>2000
LPR48V20H	51.2	20	300	442	88	14.7	16S4P	>2000
LPR48V30H	51.2	30	375	442	88	17.9	16S5P	>2000
LPR48V50H	51.2	50	405	442	133	34.7	16S9P	>2000
LPR48V75H	51.2	75	445	442	177	48.3	16S13P	>2000
LPR48V100H	51.2	100	475	442	210	55.7	16S17P	>2000
LPR48V200H	51.2	200	600	600	1000	152.3	2*48100	>2000

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

Performance Characteristics

