

### Lithium Iron phosphate Battery for 19' Rack 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
- ≥ 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

UN38.3	RoHS/Reach
ISO	CE



#### LiFePO4 Advantage

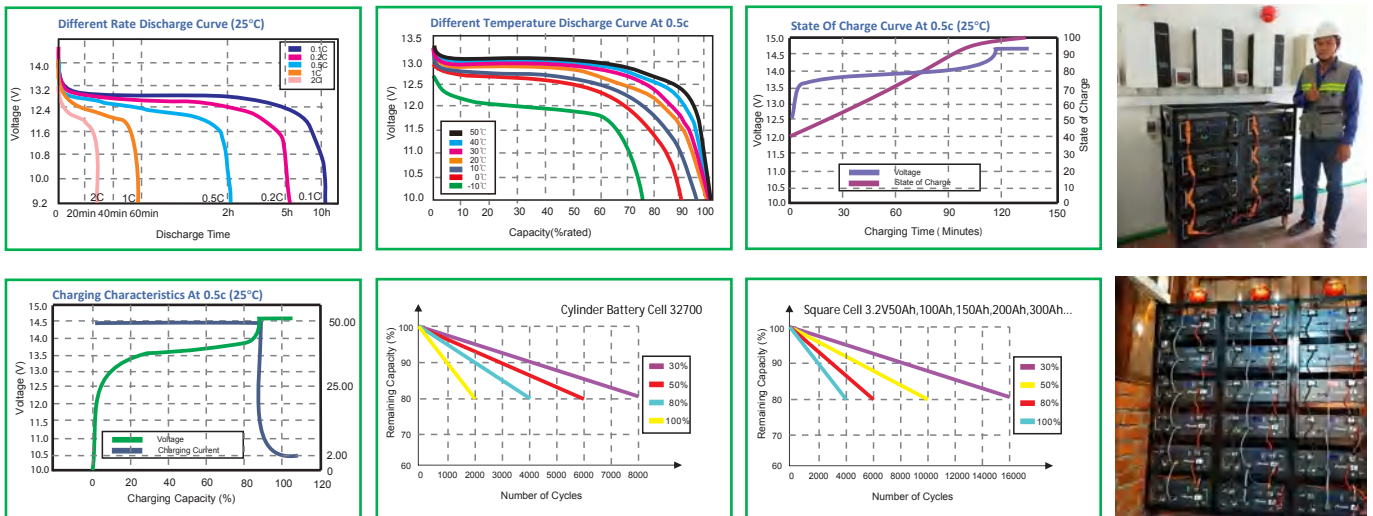
- Battery Management System built-in which protects the battery from short circuits, overloads and deep discharge.
- Built-in automatic protection for over-charge, over-discharge & over-temperature conditions
- The BMS also balances cells in order to guarantee longer battery life.
- Safe Lithium Iron 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

#### LPR Series LifePO4 Battery Items specifications

Model	Voltage (V)	Capacity (Ah)	Dimension (mm)			Weight (kgs)	Cell connect	Cell Cycles
			L	W	H			
LPR12V50	12.8	50	390	442	45	11	4S1P S	≥6000 80%DoD
LPR12V100	12.8	100	365	442	88	17	4S1P S	≥6000 80%DoD
LPR12V200	12.8	200	405	442	177	34	4S1P S	≥6000 80%DoD
LPR24V10	25.6	10	240	442	45	7	8S2P C	≥6000 50%DoD
LPR24V20	25.6	20	365	442	45	10	8S4P C	≥6000 50%DoD
LPR24V50	25.6	50	365	442	88	16	8S1P S	≥6000 80%DoD
LPR24V100	25.6	100	405	442	177	34	8S1P S	≥6000 80%DoD
LPR24V200	25.6	200	573	442	210	57	8S1P S	≥6000 80%DoD
LPR48V10	48	10	300	442	45	9	15S2P C	≥6000 50%DoD
LPR48V20	48	20	300	442	88	14	15S4P C	≥6000 50%DoD
LPR48V30	48	30	375	442	88	17	15S5P C	≥6000 50%DoD
LPR48V50	48	50	405	442	133	33	15S1P S	≥6000 80%DoD
LPR48V75	48	75	445	442	177	46	15S1P S	≥6000 80%DoD
LPR48V100	48	100	475	442	210	53	15S1P S	≥6000 80%DoD
LPR48V200	48	200	900	442	133	76	15S1P S	≥6000 80%DoD
LPR48V10H	51.2	10	300	442	45	9.4	16S2P C	≥6000 50%DoD
LPR48V20H	51.2	20	300	442	88	14.7	16S4P C	≥6000 50%DoD
LPR48V30H	51.2	30	375	442	88	17.9	16S5P C	≥6000 50%DoD
LPR48V50H	51.2	50	405	442	133	34.7	16S1P S	≥6000 80%DoD
LPR48V75H	51.2	75	445	442	177	48.3	16S1P S	≥6000 80%DoD
LPR48V100H	51.2	100	475	442	210	55.7	16S1P S	≥6000 80%DoD
LPR48V200H	51.2	200	900	442	133	79.0	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 4S 3.2 Cell 12.8V

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