



LiFePo4 BATTERY

51.2 - 150Ah

LITHIUM - ION (LiFePo4)
Block Design
Rackmount Design
Power Wall

LiFePo4
Deep Cycle
Rechargeable Battery

LiFePo4 Battery 51.2 - 150Ah

Lithium-Iron (LiFePo4)

The battery's proprietary lithium-iron phosphate chemistry takes the hassle out of maintaining and utilizing the power you need. Batteries are meant to be used when you need them and if you need them all the time then lead-acid becomes too unreliable and exhausting to keep track of.

The lithium chemistry of the battery cuts the weight of the traditional lead-acid battery to less than half while providing a massive boost to performance and capacity so you won't miss a single second of runtime.

Designed for more than just storing power easily, they're here for you to provide long-lasting peace of mind with their immense durability making it easy to use them in your home, at your job, or for your outdoor needs where trust, safety, and the environment matter most.



FEATURES

- **Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **Higher Power:** Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- **Wider Temperature Range:** -20 C~60 C.
- **Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



APPLICATION

- Electric vehicles, electric mobility
- Solar / wind energy storage systems
- UPS, backup power
- telecommunication
- Medical equipment

Benefits of Lithium-iron (LiFePo4)



Life Span
life span is 10-15 years in nearly all conditions. Long life batteries reduce the burden and cost of down time and maintenance.



Charge and Recharge Efficiency
Super Capacitor Based can be charged/ discharged over 1000 times versus 200-400 charges/ discharges for standard VRLA batteries.



Heat Tolerant
Working temperatures up to 140 °F. Where VRLA battery life is reduced by half for every 10 °F over 71F, Super Capacitor Based LiFePo4 battery life is unaffected.



High Power Density
Super Capacitor Based have over 5 times the energy density and take up about 1/3 the space of a VRLA based solution that delivers the same power.



Smaller Footprint
A smaller footprint translates to reduced cooling requirements as well as about a two thirds reduction in weight. This offers the installation flexibility needed by many IT departments.



Cost Effective
Super Capacitor Based eliminate the cost of battery replacement, labor and maintenance due to its long life capability.

LiFePo4 Battery 51.2 - 150Ah

TECHNICAL SPECIFICATION

Item	Parameters
Model	CLFP-51.2-150-R
Rated Capacity (5HR)	150 Ah
Nominal Voltage	51.2 V
Energy	7.68KWh
Discharge Ending Voltage	43.2 V
Charging Limited Voltage	57.6 V
Max. Charge/Discharge Current	100 A
Weight	Approx. 64 Kg
Display	With display screen
Protocol	RS485/RS232/CAN
Max number of parallel connections	40
Dimensions (W*D*H) mm (inches)z	442 *550 *198
Design life	More than 15 years
Cycle Life	More than 6000 cycles @80% DOD
IP Class	IP31
Case Material	SPCC
Operating Temperature	Charging: 0 to +45°C Discharging: -10 to +55°C Storage: -20 to +60°C

Product Introduction



Up to 40 groups of parallel connections, flexible capacity expansion



Compatible with mainstream inverters in the market, providing more options



LED display for voltage, current, temperature, convenient for users to query

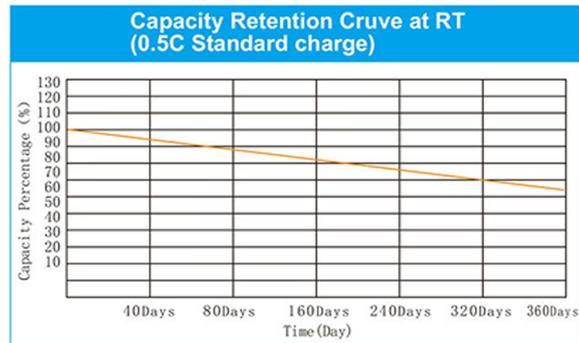
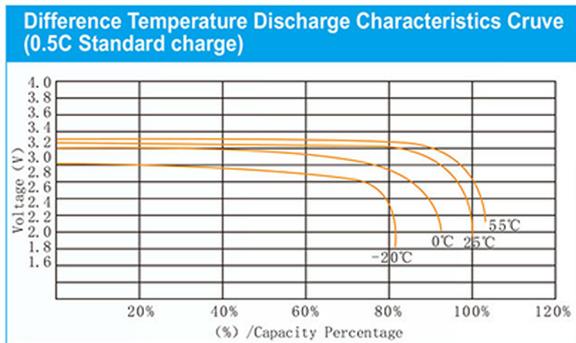
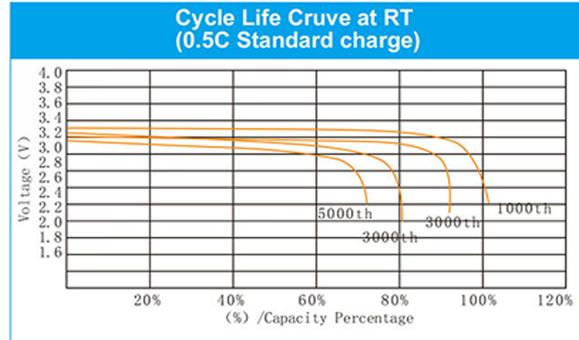
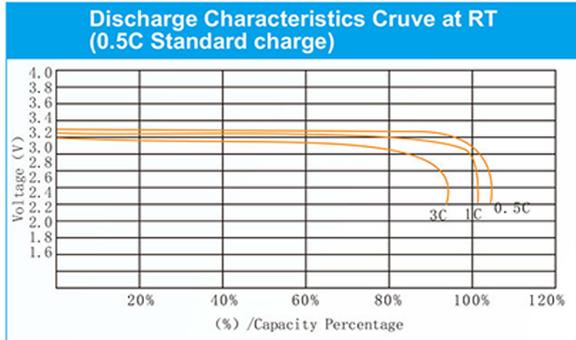


Compatible with mainstream inverters in the market, providing more options
Built-in BMS provides multiple protection functions

LiFePo4 Battery 51.2 - 150Ah

TECHNICAL CHARACTERISTICS

The LFP series of battery charge and discharge characteristics For Capacity cell



The LFP series of battery charge and discharge characteristics For High Power cell

