

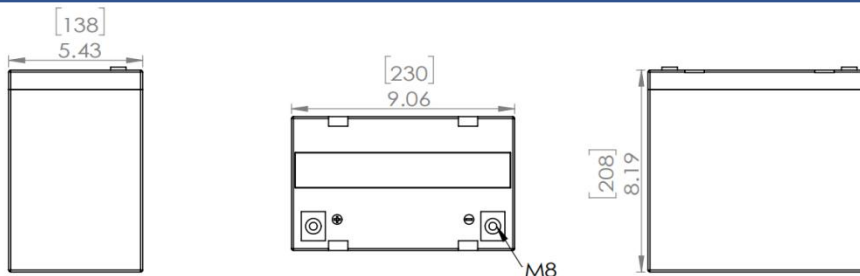
LiFePO4 Battery Pack HC12.8V72Ah



Features of LiFePO4 Battery

- 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.
- Increased Flexibility:** Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel.

Dimensions



Specification

| | | | |
|----------------------------|----------------------------|--|---------------------------|
| Electrical Characteristics | Nominal Voltage | 12.8V | |
| | Rated Capacity (77°F/25°C) | 72Ah @0.5C | |
| | Circuit Protection | Over charge, Over discharge, Over current, Over temp, Short, Balance | |
| | Cycle Life | 3000times Cycles @100%DOD and 6000times @80% DOD | |
| | Monthly Self Discharge | Less than 2% | |
| | Efficiency of Charge | 100% @0.5C | |
| | Efficiency of Discharge | 96-99% @1C | |
| Charge | Charge Voltage | 14.6±0.2V | |
| | Standard Charge Current | 14.4A | |
| | Max.Charge Current | 36A | |
| Discharge | Standard Discharge Current | 36A | |
| | Max. Continuous Current | 100A | |
| | Discharge Cut-off Voltage | 10V | |
| Environmental | Charge Temperature | 0°C-55°C | @60±25% Relative Humidity |
| | Discharge Temperature | -20°C-60°C | |
| | Storage Temperature | -20°C-45°C | |
| Dimensions | 230*138*208mm | | |
| Case / IP class | Plastic case / IP65 | | |
| Terminal | M8 | | |
| Approx Weight | 7.0Kg | | |
| Communications | Bluetooth | | |

Mobile APP

Bluetooth 4.0



Bluetooth Technology for Lithium-ion/LiFePO4 batteries



Features:

- Pack voltage
- Communication frequency
- Single cell voltage
- Manufacture date
- Current
- State of charge (SOC)
- Charge or discharge (State)
- Cycles
- Temperature
- Remaining capacity (RMC)
- Design capacity (DCAP)
- Full charge capacity (FCC)
- SerialNumber (SN)
- Manufacturer Name

Note:

- * Mobile phone (tablet) hardware needs to support Bluetooth4.0 BLE (Bluetooth low energy).
- * Measuring distance: ≤10M



