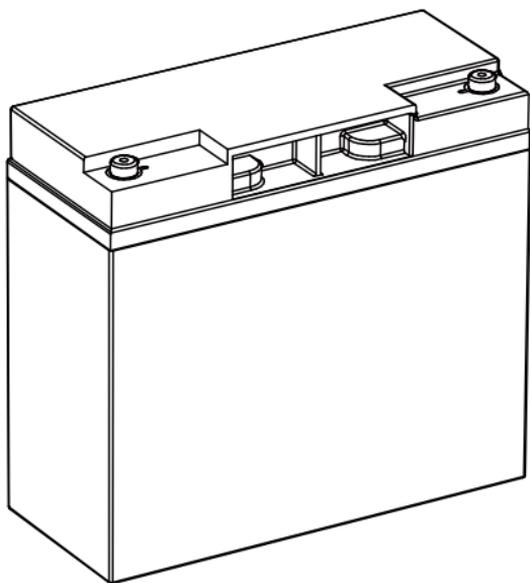




USER MANUAL



LiFePO₄ BATTERY PACK

Model: LFP1220

- Safer
- Longer Life
- Increased Flexibility
- Lighter Weight
- Higher Power
- Wider Temperature Range

PRODUCT SPECIFICATIONS

► Electrical Specifications

Nominal Voltage	12.8V
Nominal Capacity	20Ah (0.2C, 25°C)
Energy	256Wh
Resistance	≤50mΩ
Cell Type	LiFePO ₄

► Mechanical Specifications

Dimensions (L x W x H)	About 181*76.5*167mm
Net Weight	About 2.7kg
Terminal Type	M6
Case Material	ABS

► Charge Specifications

Charge Voltage	14.4V (14.6V Max)
Standard Charge Current	4A
Maximum Charge Current	10A

► Discharge Specifications

Maximum Continuous Discharge Current	20A
Discharge Cut-Off Voltage	About 10V

► Temperature Specifications

Charge Temperature	0°C to 50°C
Discharge Temperature	-20°C to 60°C
Storage Temperature	0°C to 45°C

► Compliance Specifications

Certifications	CE、UN38.3、FCC、UL1642(cells)&IEC62133(cells)
Shipping Classification	UN3480, CLASS9

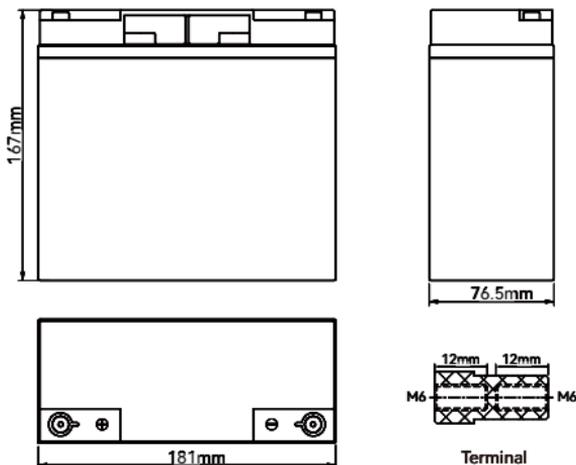
► Cycle Life

5000+ (0.2C 25°C 80%DOD)

ATTENTION

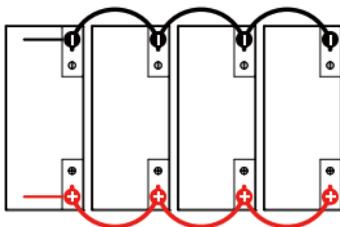
- ⚠ Please ensure that you have read this manual carefully before using this product.
- ⚠ Can not be used as starting battery.
- ⚠ Do not immerse the battery in water.
- ⚠ Do not let children touch or operate this product.
- ⚠ Do not let the product's environment temperature drop suddenly to avoid its internal condensation phenomenon.
- ⚠ Please do not expose this product to fire, heat source, direct sunlight or high temperature over 60°C.

DIMENSIONAL SPECIFICATIONS

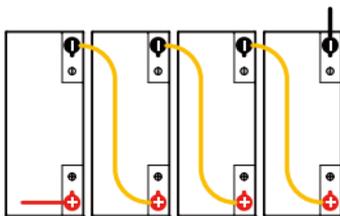


DIY BATTERY PACKS

► Modules in Parallel



► Modules in Series



- The model can support at most 4 pieces in series and 4 pieces in parallel.
- Before the connection, the voltage difference between the batteries should be $\leq 0.3V$.
- The total working current after series and parallel connection cannot exceed the working current specified by the single battery pack.

AFTER-SALES SERVICE

During the warranty period, our company will provide free maintenance and replacement parts for defects in material, technology and damage caused by non-human reasons.

During the warranty period, the following situations can not obtain free maintenance services:

- 1. Disassemble the product without permission.
- 2. Surface damage is not covered by the warranty.
- 3. The user does not use the product according to the instructions.
- 4. Failure or damage caused by accident, human, environmental factors (operation error, collision, unreasonable voltage, damp, etc.)
- 5. Product packaging and accessories are not under warranty.

GOLDE**MATE**

Shandong Goldencell Power Technology Co., Ltd.