



### **SPECIFICATIONS:**

- 12.8 Volt 228Ah – 2918 Wh
- Model: LFP12-200
- Cell Model: CATL-3.2V/228 Ah
- Self Heating System
- Bluetooth
- Replacable BMS
- Charge Voltage: 14.6V (3.65V/Cell)
- Discharge Cutt Off Voltage: 8.8V (2.2V Cell)
- Nominal Voltage: 12.8V (3.2V/Cell)
- Minimum Capacity: 228 Ah @ 0.5C Discharge
- Nominal Capacity: 228 Ah @ 0.5C Discharge

- Nominal Energy: 2918 Wh @ 0.5C Discharge
- Maximum Charge Current: 60 A
- Maximum Continuous Discharge: 150 A
- Standard Charge: 0.2C Constant Current to 14.6V to taper current 0.05C
- Standard Discharge: 0.33C Constant Current to 10V
- Weight approx: 22 KG / 48.5 Lbs.
- Shipment Voltage: 13-13.25V
- Charge Operating Temperature: 0C-55C
- Discharge Operating Temperature: -20C-60C
- Cycle Life: 4000

### Electrical & Mechanical test

**Vibration:** After standard charging, fixed the battery to vibration table and subjected to vibration cycling that the frequency is to be varied from 7HZ to 200HZ ,then return to 7HZ , the excursion of the vibration is 0.8mm. The battery shall be vibrated for 3 hrs. **Result: No leak,no smoke,no fire,no explosion.**

**Drop Test:** After standard charging, the battery is to be dropped from a height of 1 meter onto concrete board, dropped once in the positive and negative directions of three mutually perpendicular X, Y, Z axes.**Result: No leak,no smoke,no fire,no explosion.**

**Heating Test:**After standard charging, put battery in the baking oven and start to rise the temperature to 130°C, remain for 10minutes at that temperature.

**Result: No smoke,no fire,no explosion.**

**Short Test:**After standard charging, the battery shall be subjected to a short-circuit condition with a wire of resistance 80—

### Battery Drawing

Size: 520 x 269 x 220mm/20.5 x 10.6 x 8.7

