

Overview

Vision Technology provides safe LiFePO4 battery solutions for UPS , Energy storage system and Recreational Vehicle. This battery system serves for solutions for UPS , Energy storage system and Recreational Vehicle with perfect compatibility and safe long cycle.

Features

- Customized protection board functions and parameters;
- Intelligent balance management;
- Built-in automatic protection for over-charge, over-discharge and over-temperature;
- Supports series and parallels;

Module Preview



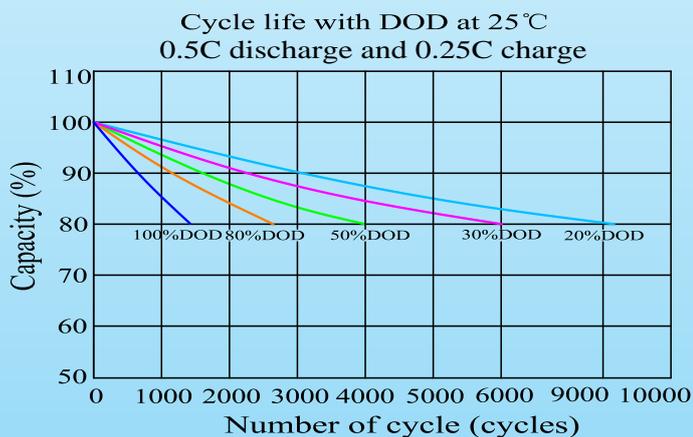
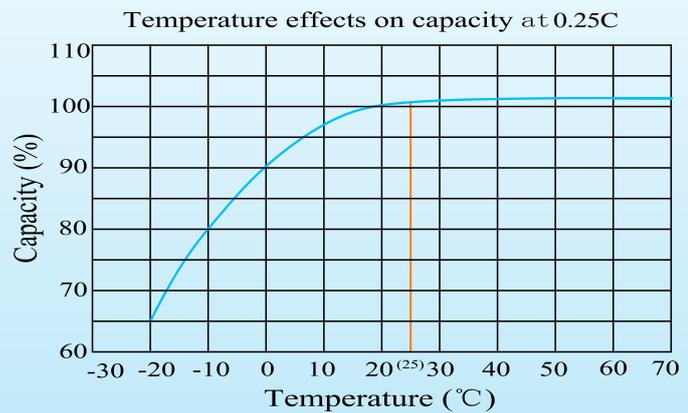
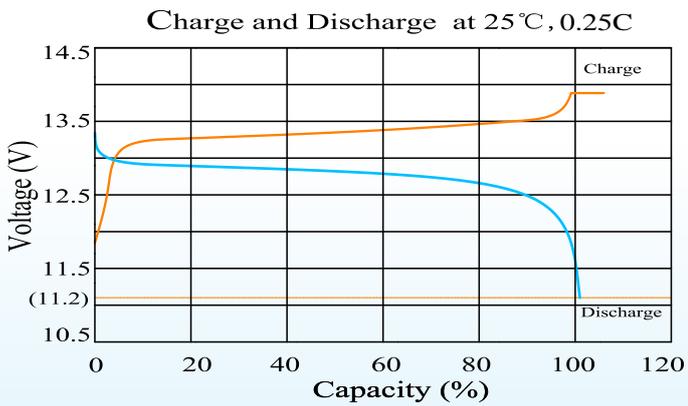
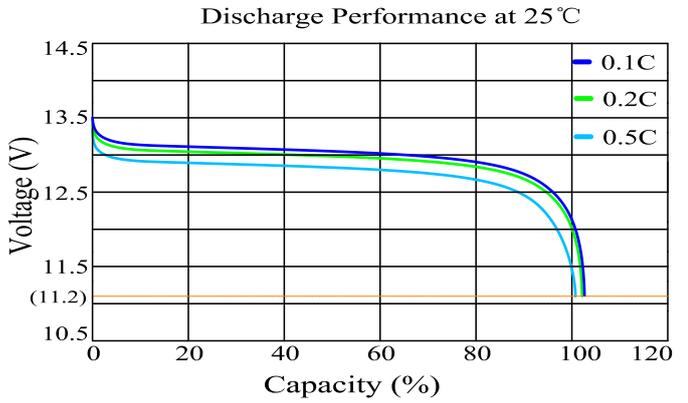
Performance Data

| Time(min) | 90 | 120 | 180 | 240 | 360 | 720 |
|---------------------|------|------|------|------|------|------|
| Constant Power(kw) | 1.28 | 0.96 | 0.64 | 0.48 | 0.32 | 0.16 |
| Constant Current(A) | 100 | 75 | 50 | 37.5 | 25 | 12.5 |

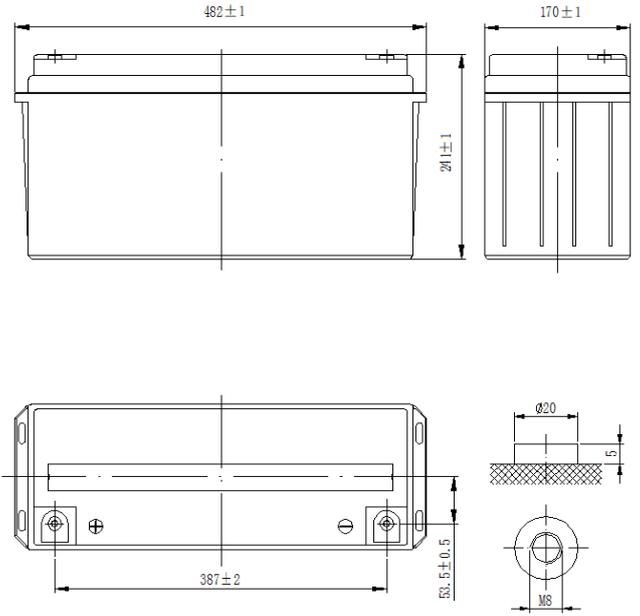
Specification

| | | |
|---------------------------------------|-------------------|----------|
| Voltage Range(V) | 9.2 ~14.6 | |
| Cell | 3.2V50Ah | |
| Cell Series & Parallels | 4S3P | |
| Rated Voltage(V) | 12.8 | |
| Rated Capacity(Ah) | 150 | |
| Rated Energy(KWh) | 1.92 | |
| Maximum Charge Current(A) | 50 | |
| Maximum Discharge Current(A) | 100 | |
| Pulse Current(A) (5s) | 200 | |
| Discharge Cut-off Voltage(V) | 11.2 | |
| Recommended Bulk Charge Voltage(V) | 13.6 ~ 13.8 | |
| Life Cycle (@25°C,0.5C/0.25C,80%DOD) | Approx 2500 | |
| Short-circuit Current (< 10ms) | Approx.1600A | |
| Dimension(W* D* H) | (482*170*241) mm | |
| Total Weight(Kg) | Approx.20.5 | |
| Internal Resistance Fully Charged@ 25 | 8mOhms | |
| Thermal Management | Nature cooling | |
| Operating Temperature | Charge | 0 ~ 50 |
| | Discharge | -20 ~ 65 |
| Operating Humidity | 60 ± 25%R.H. | |
| System Series | 6 | |
| System Parallels | 6 | |

Characteristics Curve



Size



| MECHANICAL SPECIFICATIONS | |
|---------------------------|-------------------|
| Case Material | ABS-FR |
| Cell Type-Chemistry | Prismatic LiFePO4 |
| Terminal Type | M8 |
| IP Grade | IP65 |

| BMS CHARACTERISTICS | |
|--------------------------------------|-------------|
| Recommended Charge Current | 25A |
| Maximum Charge Current | 50A |
| Maximum Continuous Discharge Current | 100A |
| Recommended Bulk Charge Voltage | 13.6V-13.8V |
| Max Charge Voltage | 14.4V-14.6V |
| Overcharge Protection Voltage | 14.8V-15.2V |
| Charge Mode | CC/CV |
| Discharge Cut-off Voltage | 11.2V |