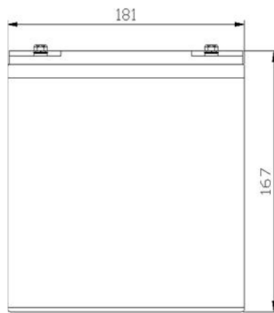
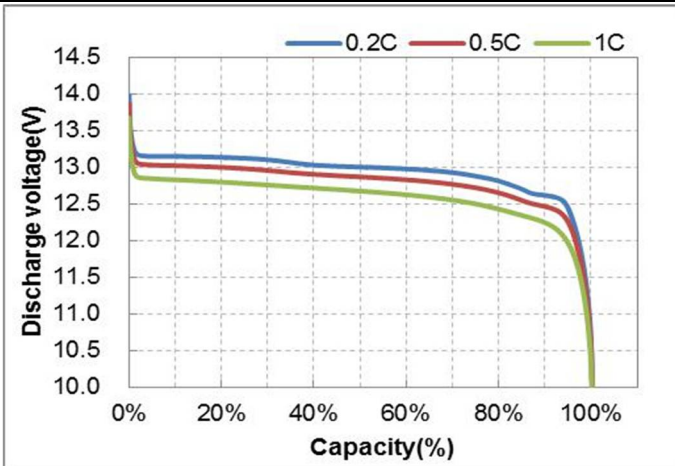
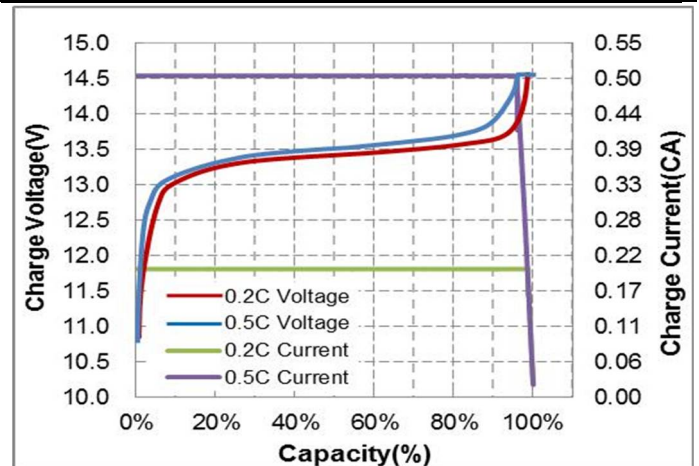
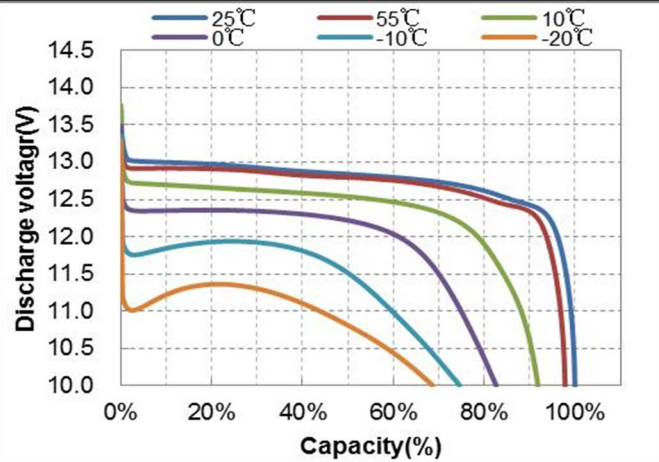
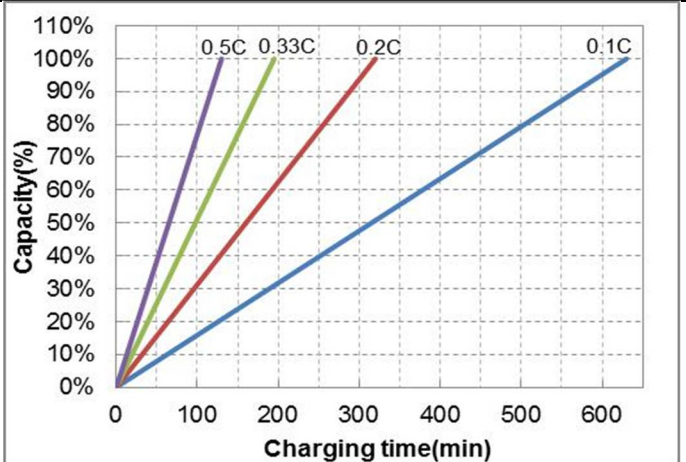
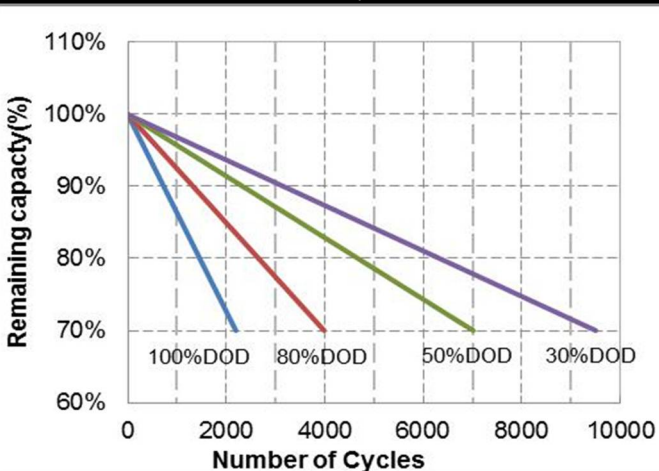



DATASHEET
LFP12V24AH
12V 24AH
LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY

- ◆ Superior safety, thousands of cycles, 100%DOD, under normal conditions ◆
- Built-in automatic protection for over-charge, over discharge, over current and over temperature ◆
- Maintenance free ◆
- Internal cell balancing ◆
- Lighter weight: About 40% ~50% of the weight of a lead acid battery. ◆
- Can be charged using most standard lead-acid charges (set) ◆
- Wider temperature range: -20°C ~ 60°C

SPECIFICATIONS


| | |
|---------------------------|--|
| Nominal Voltage | 12,8V |
| Nominal Capacity | 24Ah@0.2C |
| Energy | 307.2Wh |
| Internal Resistance | 60≤mΩ |
| Cycle Life | > 2000 Cycles @ 0.2C Charge/Discharge at 100%DOD, End of Life 70% Capacity |
| Months Self Discharge | ≤3.5% per month at 25°C |
| Charge Voltage | 14.6±0.2V |
| Charge Mode (CC/CV) | At 0°C ~ 45°C temperature, charged to 14.6V at a constant current of 0.02C5A, and then, changed continuously with constant voltage of 14.6V until the current was not more than 0.02C5A. |
| Charger Current | 4.8A |
| Max.Charge Current | 12A |
| Discharge Current | 4.8A |
| Max. Continuous Current | 24A |
| Max.Pulse Current | 60A(< 3S) |
| Discharge Cut-off Voltage | 10.0V |
| Charge Temperature | 0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity |
| Discharge Temperature | -20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity |
| Storage Temperature | 0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity |
| Water Dust Resistance | IP55 |
| Cell & Method | IFR32700 N60, 4S4P |
| Plastic Case | ABS |
| Dimension(L*W*H*TH) | 181*77*167*167mm |
| Weight | Approx. 2.9Kg |
| Terminal | M5 |

DIFFERENT RATE DISCHARGE CURVE @25°C

CHARGE CHARACTERISTICS OF CAPACITY-VOLTAGE @0.2C&0.5C, 25°C

DIFFERENT TEMPERATURE DISCHARGE CURVE @0.5C

CHARGE CHARACTERISTICS OF TIME-VOLTAGE @ 25°C

DIFFERENT DOD DISCHARGE CYCLE LIFE CURVE @0.2C,25

OPEN CIRCUIT VOLTAGE VS SOC% @25
