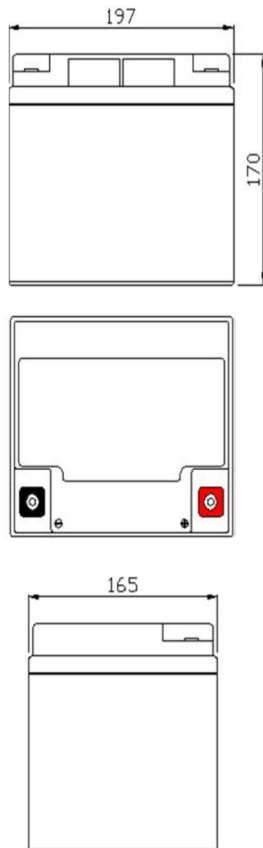
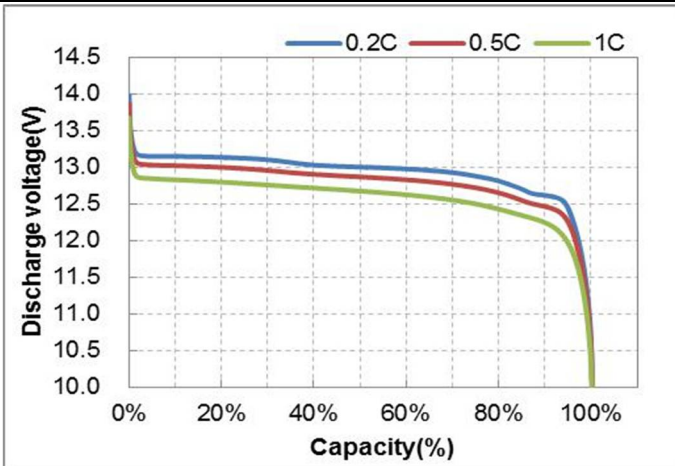
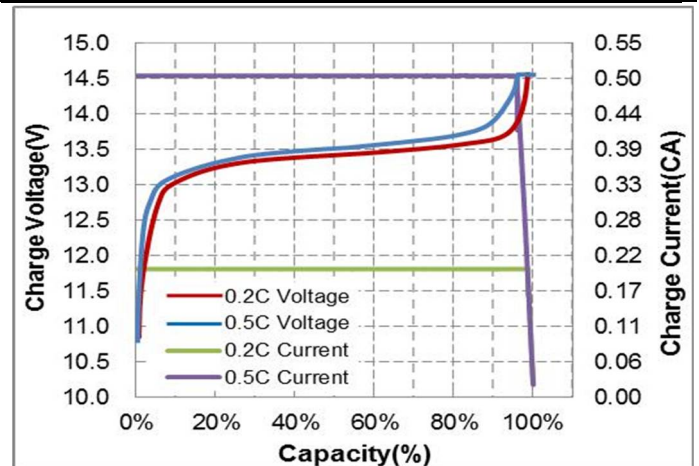
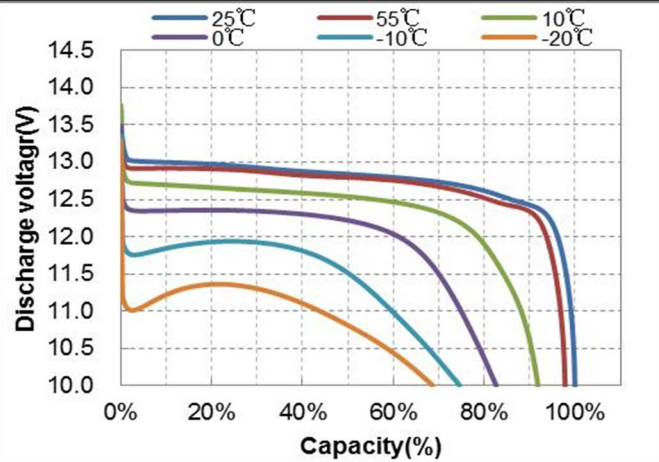
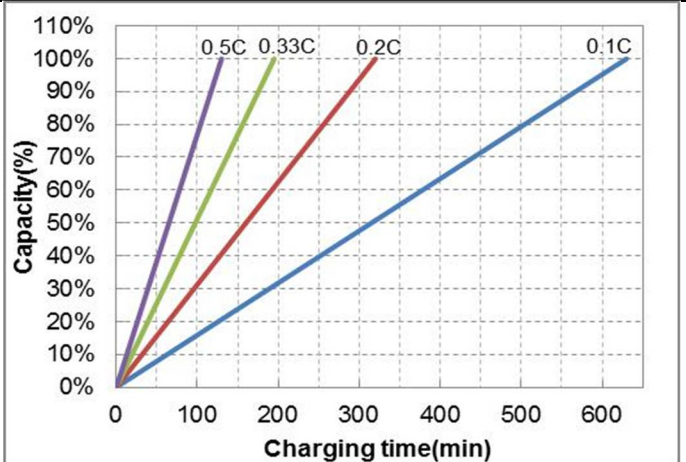
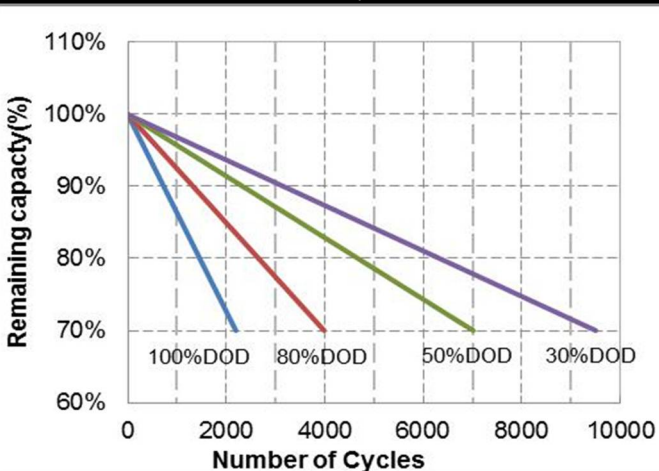



**DATASHEET**
**LFP12V42AH**
**12V 42AH**
**LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY**

- ◆ 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	42Ah@0.2C
Energy	537.6Wh
Internal Resistance	50≤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	8.4A
Max.Charge Current	21A
Discharge Current	8.4A
Max. Continuous Current	42A
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, 4S7P
Plastic Case	ABS
Dimension(L*W*H*TH)	197*165*170*170mm
Weight	Approx. 5.7Kg
Terminal	M6

**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**
