



<b>Product Name:</b>	LiFePO4 polymer lithium-ion rechargeable battery cell	
<b>Product Number:</b>	31515	
<b>Description:</b>	24V 8Ah LiFePO4 Rechargeable Battery	
<b>Battery Chemistry:</b>	LiFePO4 (Lithium Iron Phosphate)	

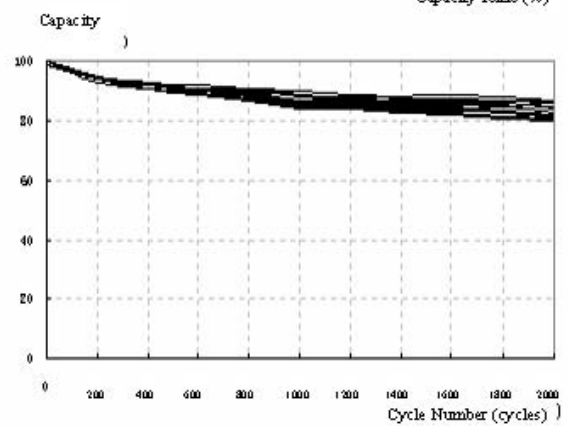
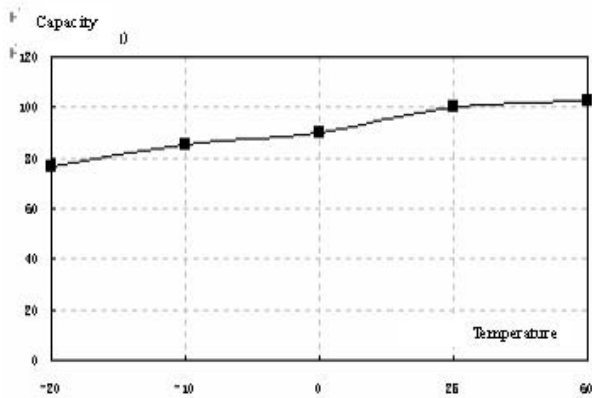
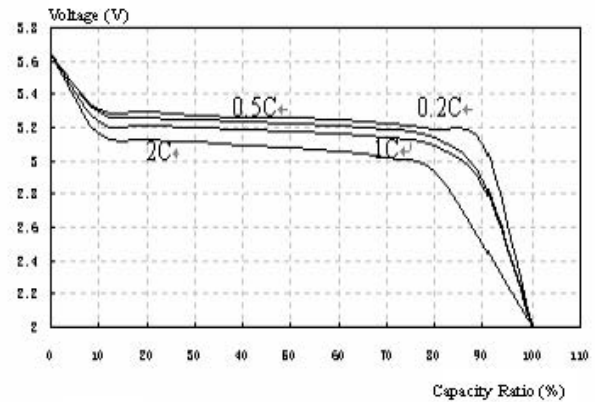
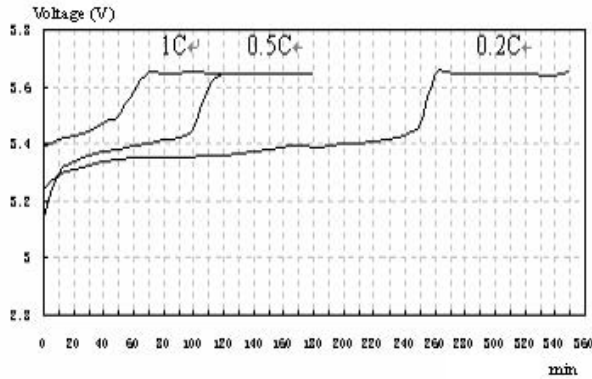
The document describes the product specification of the LiFePO4 polymer lithium-ion rechargeable battery cell supplied by Tenergy Corporation.

**Specifications**

Item	Specification
Typical capacity	8000mAh @ 0.2C <sub>5</sub> A
Nominal voltage	24V
Internal impedance (Max, at 1000Hz.)	≤200mΩ
Discharge cut-off voltage	20V
Max. charge voltage	29.2V
Charge current	Standard charge : 0.2C <sub>5</sub> A Rapid charge : 1C <sub>5</sub> A
Charging time	Standard charge : 7.5h (reference) Rapid charge : 2.5h (reference)
Max. discharge current	2 C <sub>5</sub> A
Discharge cut-off voltage	20V
Operating temperature	Charge : 0°C ~ 45°C Discharge : -20°C ~ 60°C
Storage temperature	-20°C ~ 55°C
Storage humidity	< 85%
Dimensions(L x W x T)	281mm x 90mm x 96mm
Cell Weight	Approx : 2.38kg



### CHARACTERISTIC CURVES



### INDICATIONS ON BATTERY PACK

The following warnings should be indicated on the battery packs

- Use a specified charger
- Do not throw the battery into fire or heat
- Do not short-circuit the battery terminals
- Do not disassemble the battery



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## **WARNINGS AND CAUTIONS IN USING THE BATTERY**

To prevent a possibility of the battery from leaking, heating or explosion please observe the following precautions:

### **WARNINGS!**

- Do not immerse the battery in water or seawater, and keep the battery in a cool dry surrounding if it stands by.
- Do not use or leave the battery near a heat source as fire or heater.
- Use the battery charger specifically for that purpose when recharging.
- Do not reverse the position and negative terminals.
- Do not connect the battery to an electrical outlet.
- Do not discard the battery in fire or a heater.
- Do not short-circuit the battery by directly connecting the positive and negative terminals with metal objects.
- Do not transport or store the battery together with metal objects such as hairpins, necklaces, etc.
- Do not strike, trample or throw the battery.
- Do not directly solder the battery and pierce the battery with a nail or other sharp objects.

### **CAUTIONS!**

- Do not use or leave the battery at high temperature (for example, at strong direct sunlight or in a vehicle in extremely hot weather). Otherwise, it can overheat or fire or its performance will be degenerate and its service life will be decreased.
- Do not use the battery in a location where static electricity and magnetic field is great, otherwise, the safety devices may be damaged, causing hidden trouble of safety.
- If the battery leaks, and the electrolyte get into the eyes, do not rub the eyes, instead, rinse the eyes with clean water, and immediately seek medical attention. Otherwise, it may injure eyes.
- If the battery gives off an odor, generates heat, becomes discolored or deformed, or in any way appear abnormal during use, recharging or storage, immediately remove it from the device or battery charger and stop using it.
- In case the battery terminals are dirty, clean the terminals with a dry cloth before use. Otherwise performance may occur due to the poor connection with the instrument.
- Be aware discarded batteries may cause fire or explosion, tape the battery terminals to insulate them.