



**Guangzhou Markyn Battery CO., LTD.**

**LiFePO<sub>4</sub> Battery specification**

Model : GMB-36V/20Ah-01

Ver : C/1

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Approval	Checked	Draft

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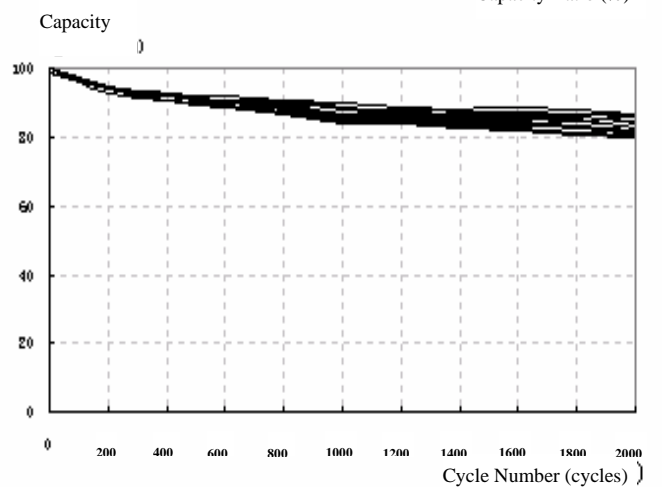
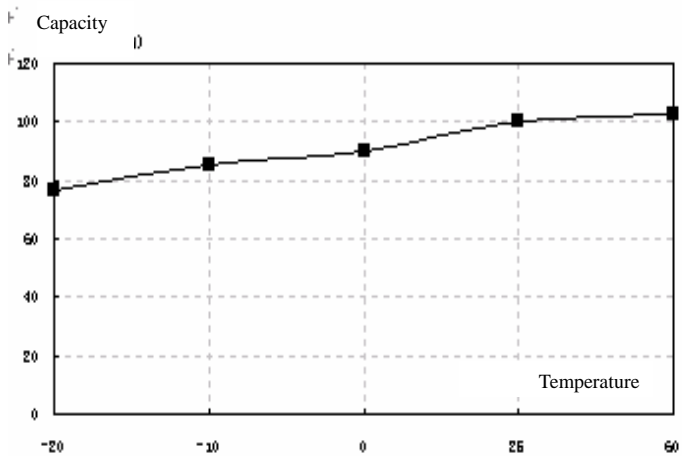
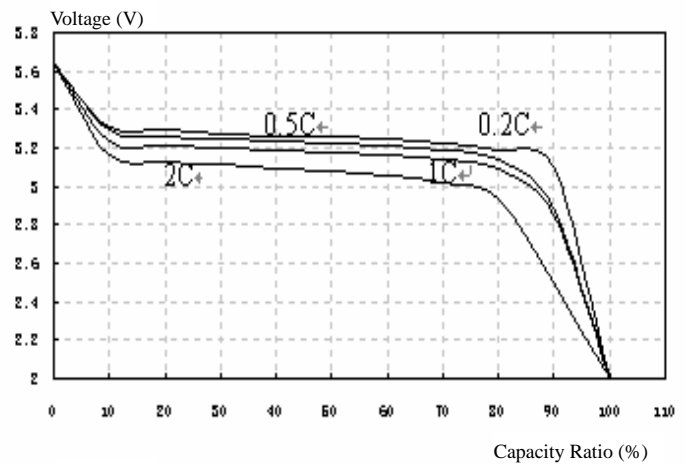
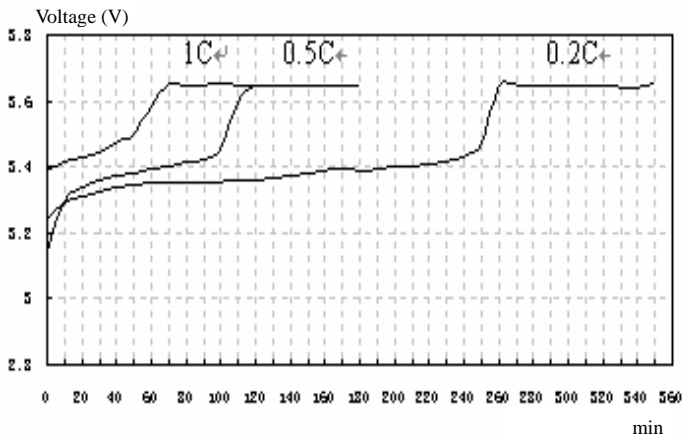
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# 1. SPECIFICATIONS

Model		GMB-36V/20Ah-01
Can Material		plastic
Typical Capacity (0.2C <sub>5</sub> A)		20000mAh
Minimal Capacity (0.2C <sub>5</sub> A)		19600mAh
Nominal Voltage		36V
Max. Charge Voltage		43.8V
Discharge Cut-off Voltage		30V
Max. Charge Current		1 C <sub>5</sub> A
Max. Discharge Current		2 C <sub>5</sub> A
Inner Cell Dimensions (T*W*L)		192*82*250mm
Weight (Approx.)		7800.0g
Impedance (Max, at 1000Hz.)		≤120mΩ
Charge Method (CC/CV)	Standard	0.2 C <sub>5</sub> A × 7.5hrs
	Quick	1 C <sub>5</sub> A × 2.5hrs.
Operating Temperature	Charge	0°C ~ 45°C ; 32°F ~ 113°F
	Discharge	-20°C ~ 60°C ; -4°F ~ 149°F
	Storage	-20°C ~ 45°C ; -4°F ~ 113°F

# 2. CHARACTERISTIC CURVES



### **3. 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

### **4. 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.

### **5. AMENDMENT OF THIS SPECIFICATION**

This specification is subject to change with prior notice.