





## Catalog

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## 应用范围：

本规格说明书描述了广州电狐能源科技发展有限公司（以下简称电狐能源）出品的可充电阀控式密封铅酸蓄电池、适合应用于女子蓝翔，小绵羊，嘉陵 50，潇洒木兰 50，南海新大陆 50 等车型性能指标。

## The scope of application:

This specification describes the Guangzhou fox Power Energy Technology Development Company Limited (hereinafter referred to as the electric energy produced by the fox) rechargeable sealed valve regulated lead-acid batteries, suitable for women's Lan Xiang, little sheep, Jialing 50, and 50, 50 new Mulan, the South China Sea vehicle performance index.

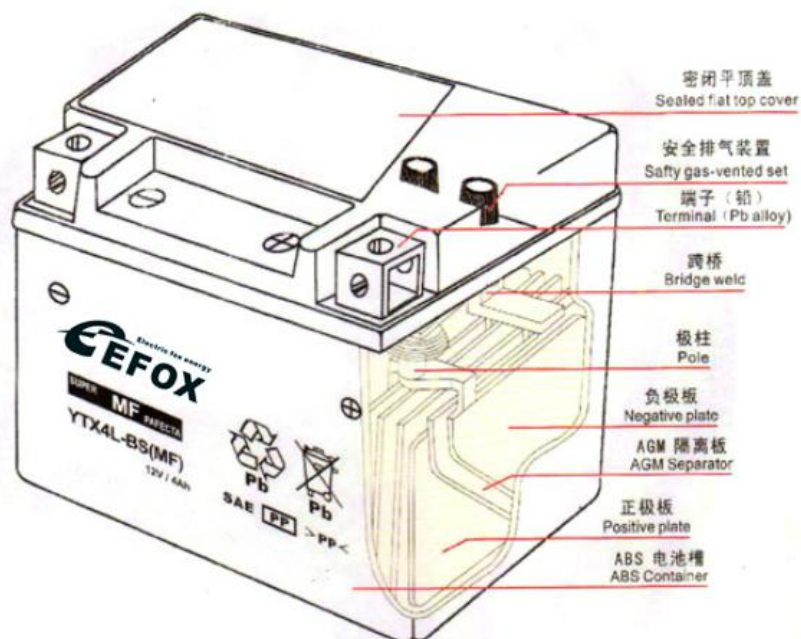
## 结构介绍：

本产品属于密封免维护铅酸蓄电池，本电池采用独特的生产工艺和特别的结构设计，可靠稳定安全阀，保证电池的密封性，确保各方位放置均不漏液，高氧复合效率，保证电解液不会损失，在电池整个寿命过程中无须更换电解液，真正做到免维护。

## Structure introduction:

This product belongs to a sealed maintenance free lead-acid batteries, unique production process and special structural design of the battery, stable and reliable safety valve, ensure the battery sealing, to ensure that the orientation are no leakage, high oxidation efficiency, ensuring no loss of electrolyte, in the life of the battery without replacing the electrolyte, really do maintenance free.

### 产品结构图 CONFIGURATION



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型号:YT4L-BS

Model: YT4L-BS

电池外观尺寸:

长\* 宽 \* 高 (mm) 113\*69\*89mm

Battery Appearance size:

Length \* Width \* Height(mm)113\*69\*89mm



## Battery Specification 电池规格：

### Battery performance 电池性能

Capacity (25°C) 容量	20 hour rate 20 小时率 10 hour rate 10 小时率 5 hour rate 5 小时率 1 hour rate 1 小时率 15Min rate 15 分钟率	4Ah 3.1Ah 2.5Ah 1.8Ah 0.7Ah
The relationship between capacity and temperature (20 hour rate) (20 小时率)	40°C (104°F) 25°C (77°F) 0°C (32°F) -15°C (5°F)	103% 100% 86% 65%
Internal resistance 内阻	Fully charged battery 77 °F (25°C) 完全充电	≈ <b>22</b> M Ω
Charging method (Constant voltage) 充电方法 (恒压)	Cycle 循环	The maximum charge current is 0.4A charging voltage 14.5~15.0v/12v77°F (25°C) Temperature compensation charging voltage-24mV/°C 最大充电电流为 0.4A 充电电压 14.5~15.0v/12v77°F (25°C) 充电温度补偿电压-24mV/°C
	Float 浮充	The maximum charge current is 0.4A charging voltage 13.6~13.8v/12v77°F (25°C) Temperature compensation charging voltage-18mV/°C 最大充电电流为 0.4A 充电电压 13.6~13.8v/12v77°F (25°C) 充电温度补偿电压-18mV/°C

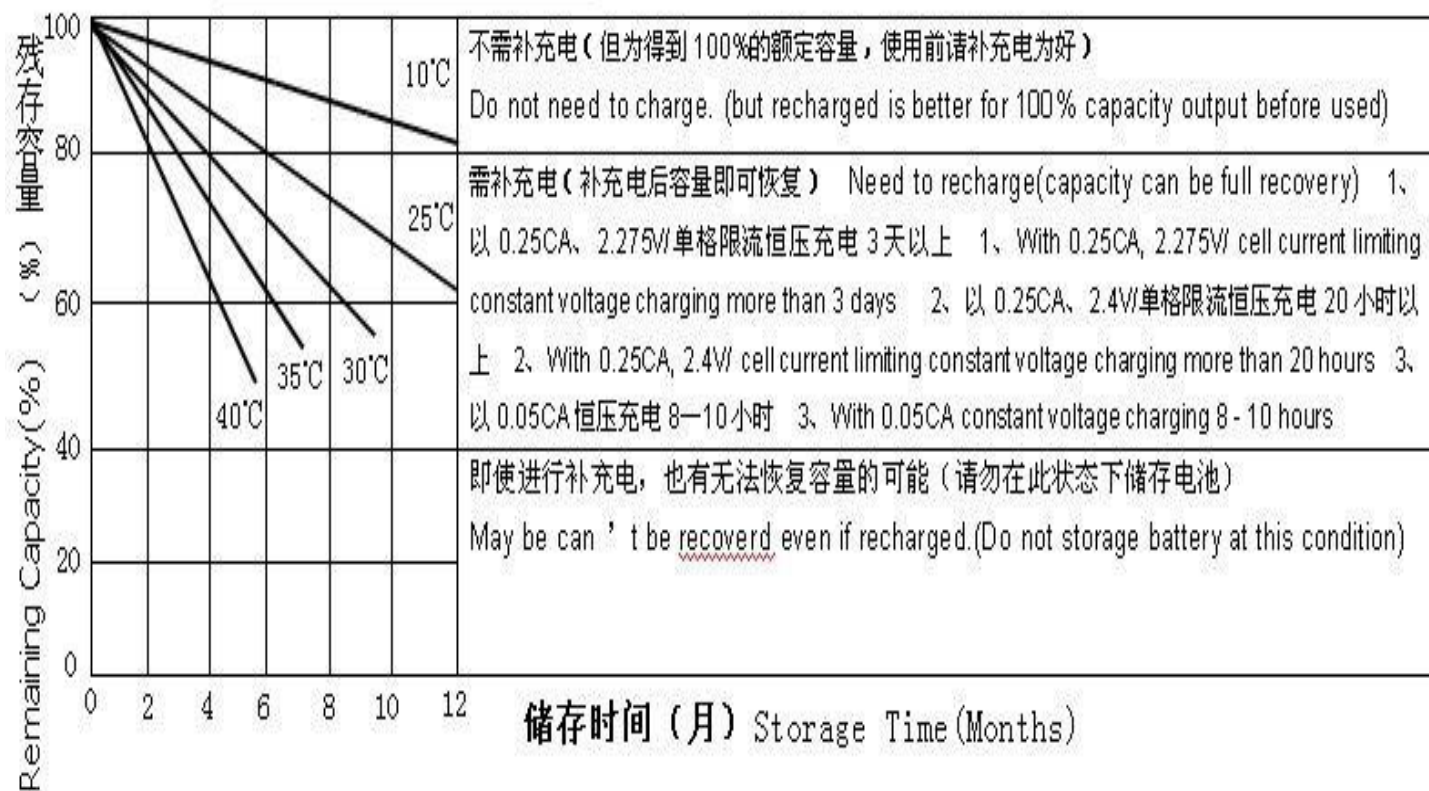
## Battery specification

### 电池规格：

Nominal voltage 标称电压	12V	
Nominal capacity 标称容量 (20Hr 小时率)	4ah	
Appearance size 外观尺寸	Length 长度	113
	Width 宽度	69
	Height 高度	89
Referential weight 参考重量	About 约 1.4kg	

**Self-discharge characteristics and complementary charge methods**

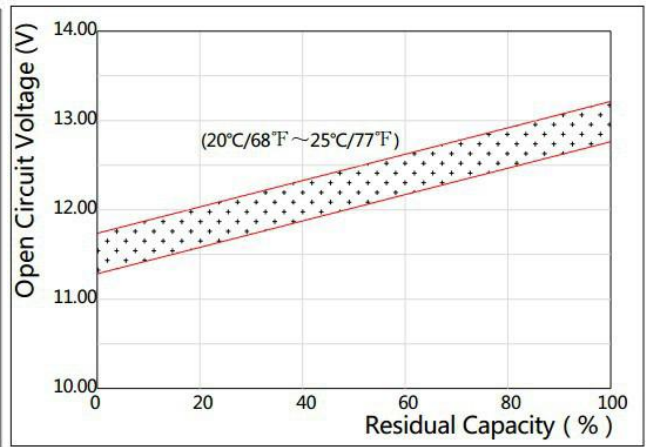
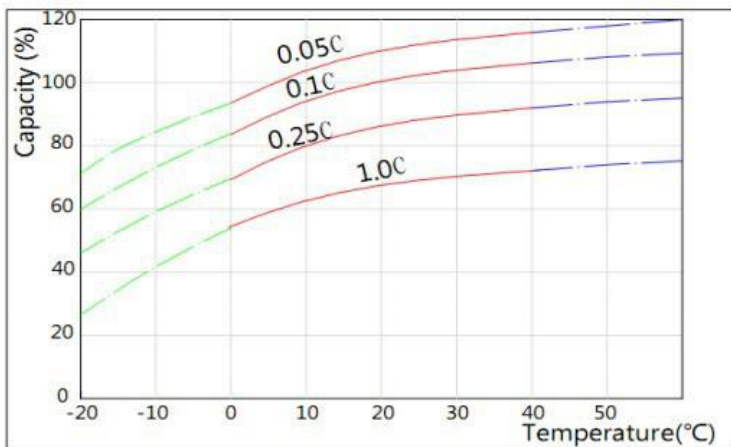
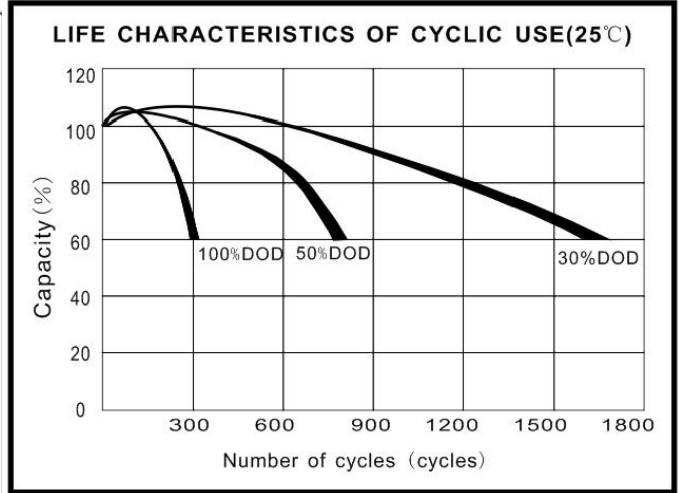
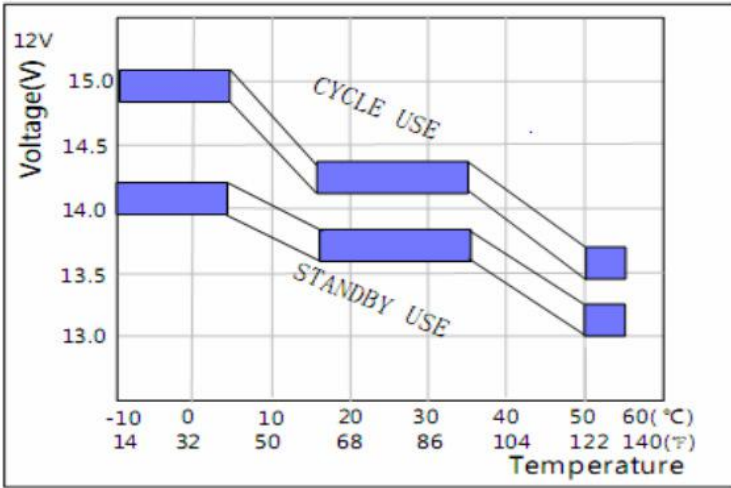
**自放电特性及补充电方法：**



其它事项：本说明书中未提及的事项，须经双方协商确定。

Other matters: the matters not mentioned in this manual shall be determined by mutual agreement.

Battery discharge time and characteristics  
 电池放电时间与特性



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## 产品简介：

该款产品系采用最新型优质铅钙合金板栅，并用特殊工艺制作而成，具有自放电极低，比能量极高的产品特点；产品在生产到出厂必须通过十三道严格的检验检测工序。确保了每一个出厂产品都百分之百能令用户满意使用。

### 电性能特性：

大电流过放电特性，采用了特殊结构设计，大大增加了产品比表面积，瞬间放电时加快反应速度，最大 30—50C20 电流放电而不损伤极板，从而具备了良好的电起动性能。

极低的自放电特性，从材料到工艺的严格控制确保了该款产品超长的荷电保持能力，在充满电的状态下常温放置 6 个月，电池容量能保持 80%以上（一般情况下电池产品在存放 6 个月之后必须要补充电一次），适合于出口产品或长时间、远距离的运输贮存。

极好的充电接受能力，电池在接收摩托车电机和刹车回收充电实验显示该款电池产品在充电一个小时，即充入了电池放电量的 70%以上，大大超过了同类产品的充电接受能。

超高压过充电性能，由于车辆使用过程中的电路电器的老化损耗，往往造成电池充电电压过高有的甚至达到了 16V 的极限充电电压，而此款产品的过充电析气量极少，同时充电中分解的水分子又能通过特殊的设计进行循环复合反应，大大延缓了电池的失水率，延长了电池的使用寿命。

低温起动性能好，采用了合理的结构设，并且在电解液中添加了特殊的材料，使该电池具备了很好的低温放电能力，实验数据表明该款电池在低温零下 18 度的低温下依然保持良好的放电性能，放电容量达到 70%以上。

耐振动特性，电池充满电后静置两小时，固定在振动台上，上下振动 2h 频率 30~50Hz，加速度 30m/s。电池无漏液无破损，容量损失低于 15%。

深放电循环使用寿命达 300—500 次，使用寿命比普通电池高一倍；产品的各项性能指标均大大高于同业水平。

## Product Introduction:

This product adopts the high quality new type of Pb Ca alloy grids and special technology, made with low discharge, high energy ratio characteristics of the product; the product to the factory must pass thirteen strict inspection in the production process. To ensure that each of the one hundred percent products can make users satisfied with the use of.

### . Electrical properties:

The discharge characteristics of large current, with a special structure design, greatly increasing the product surface area, the reaction speed of instantaneous discharge, the maximum 30 50C20 discharge current without damaging the plate, which has the good performance of the electric starter.

Self discharge characteristics is extremely low, from material to process the strict control to ensure that the product long charge retention, placed at room temperature for 6 months at full power state, the battery capacity can maintain more than 80% (battery products generally must add a power after stored for 6 months). Suitable for export products or long time, long-distance transportation and storage.

Excellent in battery charge acceptance, receiving motorcycle motor and brake charging recovery experiment showed that the battery charging products in an hour, more than that in charge of the battery discharge capacity of 70%, greatly exceeded the charging of similar products can accept.

Ultra high voltage charging circuit of the electric loss due to aging performance, the use of vehicles in the process, often caused by battery charging even reached the limit of the 16V high voltage charging voltage, charging and gas





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evolution rarely this product, while charging the decomposition of water molecules and can cycle complex reaction by special design, greatly delay cell loss rate, prolong the service life of the battery.

Good cold starting performance, the reasonable structure design, and add a special material in the electrolyte, the battery has low temperature discharge capacity is very good, the experimental data show that the battery still maintain good discharge performance in low temperature of minus 18 degrees under low temperature, discharge capacity of more than 70%.

Vibration resistance characteristics, the battery is full of power after static for two hours, fixed on the vibration table, up and down vibration 2H frequency 30~50Hz, acceleration 30m/s. No leakage of battery without leakage, loss of capacity less than 15%.

Deep discharge cycle life of 500 times, longer service life than ordinary batteries twice as high; product performance indicators are significantly higher than the industry level.