GFM 系列

产品描述
Product Description

GFM 系列阀控密封铅酸蓄电池，是我公司采用国内外当代最新技术研发的产品，其各项性能指标均达到国内领先水平。
该产品可广泛应用于通信、通讯基站、发电厂、核电站、电力输变电系统、UPS、应急照明、铁路、船舶信号系统的备用电源，太阳能、风能发电储能系统。

GFM series VRLA battery is new product of our comp any with advanced technology. The performance has reached international and domestic advanced level.
GFM series VRLA battery can be applied in backup power for telecom, communication base station, power station, nuclear power station, power transmitting and transforming system, UPS, emergency lighting, railway, nautical signal system etc.

产品性能及优势
Product Performance & Advantages

●铅钙合金板栅，析氢电位高，极板采用矩形大网格分块结构、专有的 4BS 形成技术，活性物质利用率高，提高了电池比能量，延长了循环使用寿命
●拥有自主专利技术的铅膏配方保证良好的充电接受能力，有效的防止了电池早期容量损失，浮充使用和循环使用，设计寿命 12 年（25℃）
●采用超细玻璃纤维 AGM 隔板，气体复合效率高于 99%，内阻低，高倍率放电性能好
●自放电率极低，每月自放电量小于额定容量的 1%，且具备良好的过充过放能力
●采用特有多层密封技术和密封胶，确保电池无泄漏、无酸雾逸出，安全可靠
●采用高强度 ABS 材料，耐腐蚀、耐冲击、强度高、外形美观，且多重密封结构，无渗漏
●采用高灵敏度安全阀自动调节电池内压，可准确控制开、闭阀压力及过滤酸雾功能

- The grid is made by Pb-Ca alloy. Electric potential for hydrogen evolution is high. The plate is shaped as orthogonal block by exclusive 4BS technology. Use ratio for active material is high. This has increased the specific energy of the battery and lengthened the service life.
- The patented formula for lead paste ensures the charge acceptance of the battery, effectively avoiding the capacity loss in early phase. The designed life is 12 years(25℃).
- Using AGM separator, the gas recombination efficiency is over 99%. Lower internal resistance and better high rate discharge performance.
- Self-discharge rate is low. The monthly self-discharge is lower than 1% of the rated capacity. Better over-charge & over-discharge ability.
- Using multi-layer sealing technology and sealant ensures the battery with no leakage and no escape of acid mist. Safe and reliable.
- Using high strength ABS materials, anti-corrosion and shock. The appearance is nice and without leakage.
- Using safety valve with high sensitivity to adjust the internal pressure of the battery. It can control the open/close valve pressure accurately and filter the acid mist.

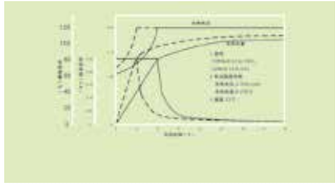
适用标准
Applicable Standard

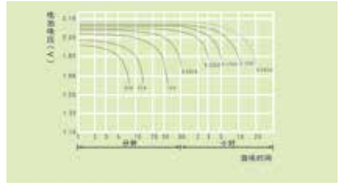
- GB/T 19638.2-2005
- YD/T 1360-2010
- DL/T 637-1997
- IEC 60896-21/22

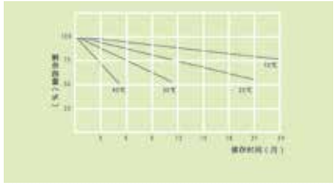
产品规格
Product Specification

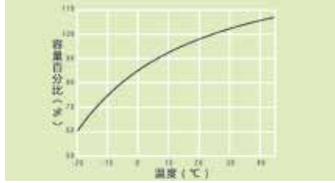
型号 Model	额定电压 Rated Voltage（V）	额定容量 Rated Capacity（Ah）	最大外形尺寸 Maximum Outer Size（mm）				参考重量（Kg）	端子型式 Terminal	螺杆规格 Bolt Spc
		10Hr	长 Length	宽 width	高 Height	总高 Total Height			
GFM-200	2	200	106	170	330	341	13.7	铜芯 Copper thread	M10
GFM-300		300	150	170	330	341	19.6	铜芯 Copper thread	M10
GFM-400		400	197	171	330	341	25.9	铜芯 Copper thread	M10
GFM-500		500	241	171	330	341	32.3	铜芯 Copper thread	M10
GFM-600		600	286	171	330	341	38.4	铜芯 Copper thread	M10
GFM-800		800	383	171	330	341	51.3	铜芯 Copper thread	M10
GFM-1000		1000	471	171	330	341	63.9	铜芯 Copper thread	M10
GFM-1200		1200	336	288	330	341	76.9	铜芯 Copper thread	M10
GFM-1500		1500	336	288	330	341	90.9	铜芯 Copper thread	M10
GFM-1800		1800	476	337	330	341	118.8	铜芯 Copper thread	M10
GFM-2000		2000	476	337	330	341	127.8	铜芯 Copper thread	M10
GFM-2500		2500	476	337	330	341	146.8	铜芯 Copper thread	M10
GFM-3000		3000	696	340	330	341	192.0	铜芯 Copper thread	M10

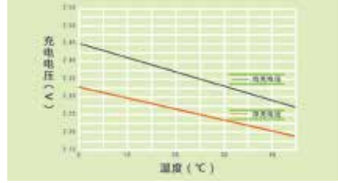
性能曲线
Characteristic Curve

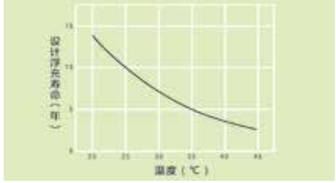

充电曲线
Charging Curve


放电曲线
Discharging Curve


不同温度下存放时间与剩余容量关系图
Relation Graph for Storing Time & Residual Capacity in Different Temperature


不同温度下容量关系图
Relation Graph for Capacity in Different Temperature


充电电压与环境温度关系图
Relation Graph for Charging Voltage & Ambient Temperature


浮充寿命与温度关系图
Relation Graph for Floating Life & Temperature