

JYHY240000G(2V4000AH) is GEL battery which is manufactured with colloidal Silicon and sulfuric acid .It's featured with low self-discharge ,strong ability to recover from deep discharging, good low temperature properties

JYHY240000G(2V4000AH)胶体电池采用纳米级的二氧化硅硫酸胶体技术制造,具有自放电小,过放电恢复能力强,低温性能好的特点

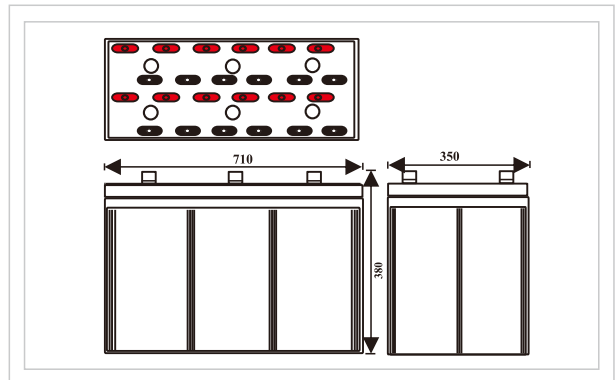
Performance Characteristics 基本特性

Nominal Voltage标准电压		2V
Number of cell 单格数		1
Capacity (25°C) 容量	100HR (48A, 1.85V)	4800Ah
	20HR (212A, 1.8V)	4240Ah
	10HR (400A, 1.8V)	4000Ah
	1HR (2352A, 1.6V)	2352Ah
Approx. Weight 重量		220kg (485.01lbs) ±3%
Internal resistance 内阻 (Fully charged, 25°C)		Approx. 0.07mΩ
Capacity affected by temperature (10HR) 不同温度下的 10小时率容量	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
The self-discharge rate is less than 3% monthly at average 25°C. For higher temperature, the time interval will be shorter. 在常温25°C度的情况下,自放电率小于3%(每月), 储存温度越高,则存放时间会相应缩短		
Nominal operating temperature 标准使用温度		25°C ±3°C (77°F ±5°F)
Operating temperature range 使用温度范围	Discharge 放电温度: -15°C~50°C (5°F~122°F)	
	Charge 充电温度: -10°C~50°C (14°F~122°F)	
	Storage 储存温度: -20°C~50°C (-4°F~122°F)	
Charge (Constant Voltage) 充电电流/电压	Float 浮充使用:2.23~2.28V/77° F/(25°C)	
	Cycle 循环使用:2.38~2.42V/77° F/(25°C) Max Current 最大电流:800A	
Discharging current 77° F/(25°C):16000A (5S) 放电电流(25°C):16000A (5秒)		
Designed floating life(20°C) 设计浮充使用寿命		15~18 years

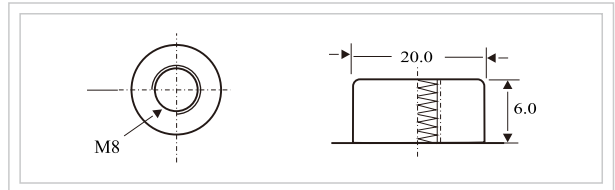
Certificate认证



Outer dimension(mm)电池尺寸



Terminal dimension(mm)端子尺寸



Battery Construtiion电池结构

Terminal material 端子	Copper 铜
Positive plate 正极板	Lead dioxide 二氧化铅
Negative plate 负极板	Lead 铅
Container 胶壳	ABS
Cover 胶盖	
Safety valve 安全阀	Rubber 橡胶
Separator 隔板	Fiberglass/PE 玻璃纤维/PE
Electrolyte 电解质	Colloidal silicon 硅溶胶

Constant Current (Amp) and Constant Power (Watt) Discharge Table at 25°C (77° F) 恒流放电与恒功率放电表

F.V 终止电压	Time时间	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
		1.60V	恒流(A)	3600	2400	1460	1040	836	728	624	488	408
	恒功率(W)	6732	4560	2820	2040	1640	1432	1228	976	812	428	372
1.65V	恒流(A)	3528	2364	1452	1036	832	720	620	488	408	213	185
	恒功率(W)	6596	4492	2804	2028	1628	1424	1224	968	808	428	372
1.70V	恒流(A)	3420	2304	1440	1028	824	716	616	484	404	213	184
	恒功率(W)	6396	4376	2780	2012	1620	1412	1216	960	808	424	370
1.75V	恒流(A)	3336	2260	1420	1020	820	712	612	480	404	212	183
	恒功率(W)	6240	4292	2736	2000	1608	1404	1204	956	800	424	368
1.80V	恒流(A)	3216	2188	1384	988	796	692	592	464	400	210	182
	恒功率(W)	6012	4160	2668	1940	1560	1360	1168	928	796	420	366

