

JYHY225000G(2V2500AH) 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

JYHY225000G(2V2500AH)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

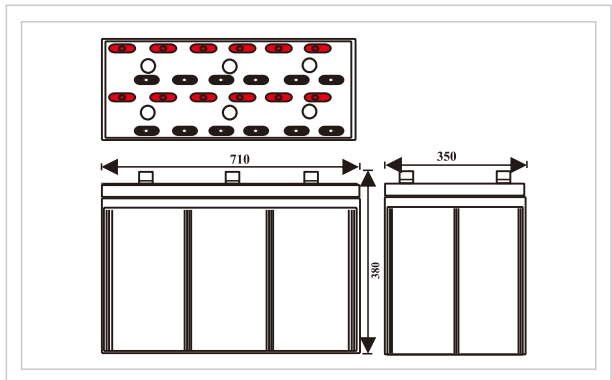
## Performance Characteristics 基本特性

Nominal Voltage标准电压		2V
Number of cell 单格数		1
Capacity (25°C) 容量	100HR (30A, 1.85V)	3000Ah
	20HR (132.5A, 1.8V)	2650Ah
	10HR (250A, 1.8V)	2500Ah
	1HR (1470A, 1.6V)	1470Ah
Approx. Weight 重量		148kg (326lbs) ±3%
Internal resistance 内阻 (Fully charged, 25°C)		Approx. 0.04mΩ
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: 500A	
Discharging current 77° F/(25°C): 10000A (5S) 放电电流(25°C): 10000A (5秒)		
Designed floating life(20°C) 设计浮充使用寿命		15~18 years

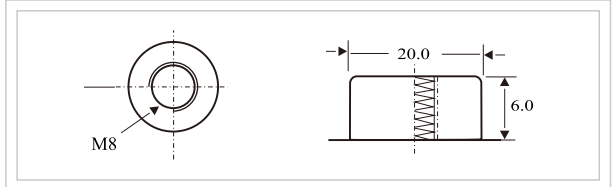
## Certificate认证



## 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)	2250	1500	913	650	523	455	390	305	255
	恒功率(W)	4208	2850	1763	1275	1025	895	768	610	508	268	233
1.65V	恒流(A)	2205	1478	908	648	520	450	388	305	255	133	116
	恒功率(W)	4123	2808	1753	1268	1018	890	765	605	505	268	232
1.70V	恒流(A)	2138	1440	900	643	515	448	385	303	253	133	115
	恒功率(W)	3998	2735	1738	1258	1013	883	760	600	505	265	232
1.75V	恒流(A)	2085	1413	888	638	513	445	383	300	253	132	115
	恒功率(W)	3900	2683	1710	1250	1005	878	753	598	500	265	230
1.80V	恒流(A)	2010	1368	865	618	498	433	370	290	250	131	114
	恒功率(W)	3758	2600	1668	1213	975	850	730	580	498	263	229

