

12V管式胶体电池

12V OPZV Series

6-GFMJ-200

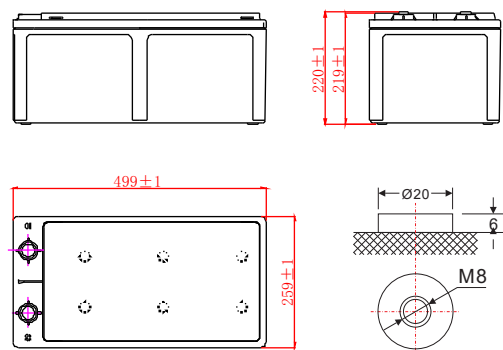


规格 Specifications

额定电压 Rated Voltage	12V		
标称容量 Nominal Capacity(C ₂₀ ,1.80V/cell)	200Ah		
尺寸 Dimension	长 Length	499±2mm	
	宽 Width	259±2mm	
	高 Container Height	219±2mm	
	总高(含端子) Total Height	220±2mm	
重量 Approx Weight	71.0kg		
端子 Terminal	M8		
外壳材料 Container Material	ABS		
额定容量 Rated Capacity (25°C)	200Ah	C20(10.0A,1.80V/cell)	
	190Ah	C10(19.0A,1.80V/cell)	
	161Ah	C5(32.2A,1.75V/cell)	
	96Ah	C1(96A,1.75V/cell)	
5S最大放电电流 Max. Discharge Current	1200A (5s)		
内阻 Internal Resistance(25°C)	Approx 5.0mΩ		
运行温度 Operating Temp. Range	放电 Discharge	-15 ~ 50°C	
	充电 Charge	-15 ~ 50°C	
	存储 Storage	-20 ~ 40°C	
推荐温度 Nominal Operating Temp. Range	25±5°C (77±5°F)		
最大充电电流 Max.Charging Current(25°C)	40A		
充电电压 Charge voltage(25°C)	浮充 Float	2.23~2.27V/cell	温度补偿 Temp. Coefficient -3mV/单格/°C
	均充 Equalization	2.30~2.40V/cell	-4mV/单格/°C
	循环 Cycle	2.35~2.45V/cell	-5mV/单格/°C
	40°C (104°F)		102%
温度对容量影响 Effect of temp. to Capacity	25°C (77°F)		100%
	0°C (32°F)		85%
自放电 Self Discharge	≤3%/月 @ 25°C		



外形 Layout



特征 General Features

- 电池设计浮充寿命12年 (25°C) 12 years design life
- 正极板采用管式极板 adopt tubular plate
- 气相SiO2胶体电池技术 Gas phase SiO2 with GEL battery technology
- PVC-SiO2/PE隔板 PVC-SiO2/PE Separator
- ABS槽盖材料 ABS material battery case
- 广泛应用于通信系统、军事领域、电力系统、广播电视系统等
Widely used in communication systems, military fields, power systems, broadcasting and television systems, etc

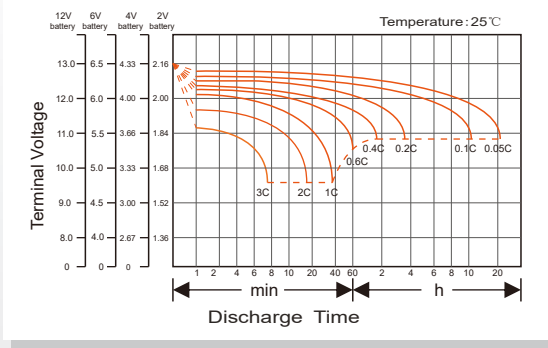
恒流放电表(A)25°C Constant Current Discharge

F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.80V/cell	180	95	64.5	46.3	37.0	32.0	27.4	26.7	21.3	19.0	10.00
1.75V/cell	190	96	66.3	47.0	37.9	32.2	27.9	27.6	21.9	19.2	10.20
1.70V/cell	194	98	67.7	47.5	38.6	32.4	28.3	28.2	22.3	19.3	10.29
1.65V/cell	196	99	68.5	47.9	38.8	32.6	28.5	28.4	22.4	19.4	10.33

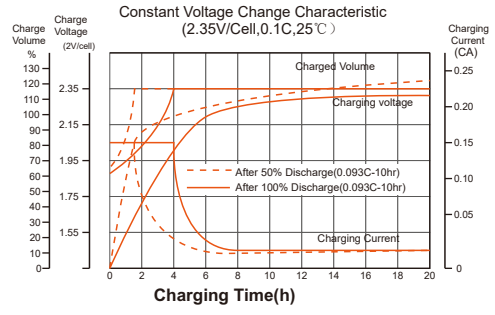
恒功率放电表(W/cell) 25°C Constant Power Discharge

F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.80V/cell	340	179	122	87.9	71.1	59.6	52.6	51.1	41.0	36.7	19.54
1.75V/cell	358	181	123	88.5	72.1	60.4	53.2	52.6	41.7	36.8	19.56
1.70V/cell	365	184	125	89.2	73.0	61.3	53.7	53.4	42.1	36.9	19.59
1.65V/cell	369	186	127	89.7	73.3	61.6	54.0	53.7	42.2	37.0	19.64

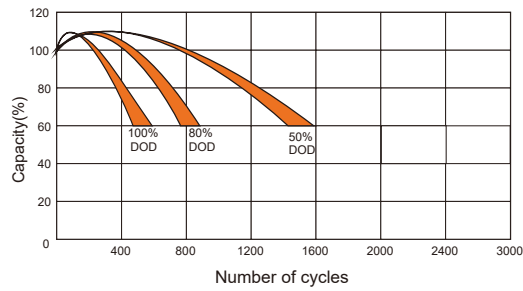
放电特性曲线 Discharge Characteristics Curve



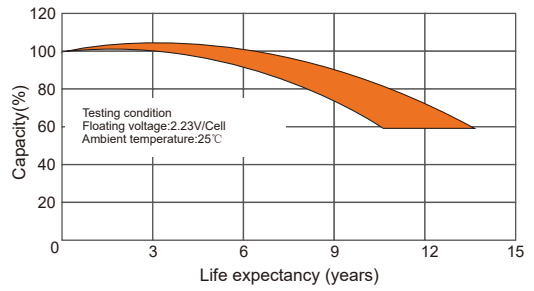
充电特性曲线 Charging Characteristics Curve



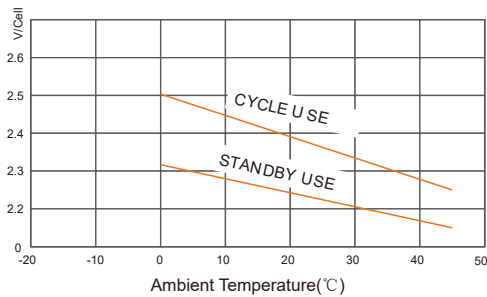
不同放电深度循环寿命 Cycle life of Different DOD



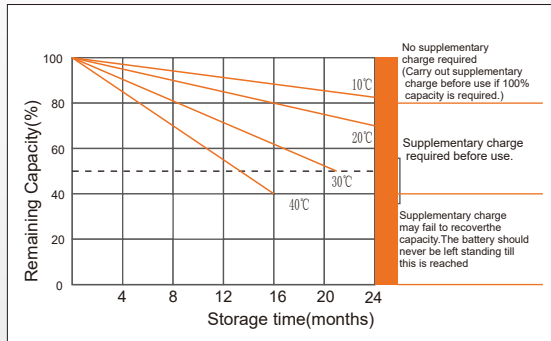
浮充使用寿命 Float charging service life Curve



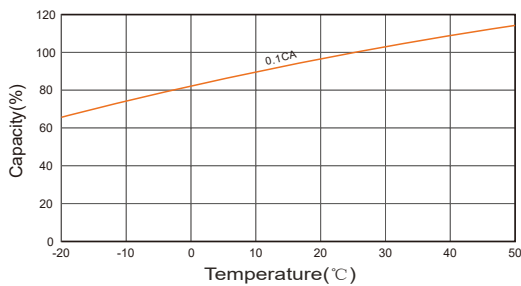
充电电压与温度关系 Charging voltage and temperature relationship



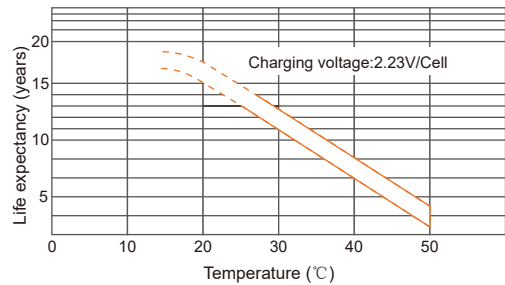
自放电曲线 Self-discharge Characteristics



温度对容量影响 Temperature Effects in Relation to Battery Capacity



温度对浮充寿命影响 Temperature Effects on Long Term Float Life



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