

Motive Battery Energy Storage Battery

Reserve Battery Motorcycle Battery



Energy Storage Battery-Tubular GEL Technology-OPzV Series

200PzV2500

(2V 2500Ah)

GENERAL FEATURES

- ◆ 20 years design life at floating condition
- ◆ Wide operating temperature range from -40°C to +60°C
- ◆ Tubular positive plate with prolonged cycle life
- ◆ Fumed silica gel electrolyte
- ◆ Lead calcium die case grid with improved corrosion resistance ability
- ◆ Low self-discharge rate and long shelf life
- ◆ Excellent deep discharge recovery capability



Application

- ◆ Renewable energy system
- ◆ Hybrid solar power system
- ◆ Uninterrupted Power Supply (UPS)
- ◆ Communications and electric equipment
- ◆ Emergency lighting equipment
- ◆ Fire alarm and security systems
- ◆ Control equipment, and other factory automation equipment
- ◆ Emergency power supply (EPS)
- ◆ Lighting equipment

Dimension

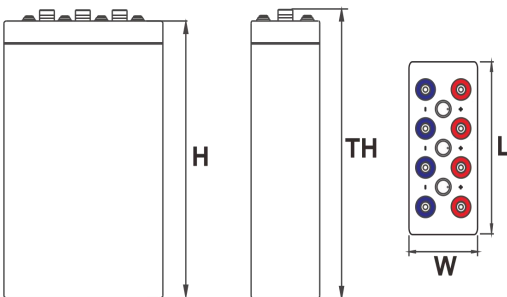
Unit:mm

Length 487±2mm / 19.17inch

Width 212±2mm / 8.35inch

Container Height 772±3mm / 30.39inch

Total Height 807±3mm / 31.77inch



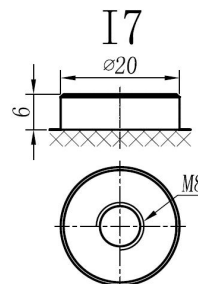
Terminal

Unit:mm

Terminal Type I7

Weight

196kg 432.1lbs



This document is subject to change without prior notification

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Reserve Battery Motorcycle Battery



200PzV2500

Specification

Nominal Voltage	2V	
Rated Capacity(25°C)	2650Ah	20hr Rate(1.80V/cell)
	2500Ah	10hr Rate(1.80V/cell)
	2142Ah	5hr Rate(1.75V/cell)
	1925Ah	3hr Rate(1.70V/cell)
	1415Ah	1hr Rate(1.60V/cell)
Container Material	ABS (Fire-proofing ABS container available)	
Operating Temperature Range	Discharge	-20 ~ +50°C
	Charge	0 ~ +40°C
	Storage	-15 ~ +40°C
Capacity Effected by Temperature	40°C / 104°F	106%
	25°C / 77°F	100%
	0°C / 32°F	86%
	-10°C / 14°F	65%
Charge Voltage	Float Voltage	2.25 -2.30V/cell@25°C, Compensation Factor : -3mV/cell/°C
	Equalize Voltage	2.35 -2.40V/cell@25°C, Compensation Factor : -3mV/cell/°C
	Cycle Voltage	2.40 -2.50V/cell@25°C, Compensation Factor : -5mV/cell/°C
Max Charging Current	750A (0.3C)	
Max. Discharge Current (5S)	20000A	
Internal Resistance	0.2mΩ	
Self Discharge	<3%, TN series stored at 25 ° C require a supplementary charge every six months, the charging interval would shrink when the ambient temperature went higher	

Discharge Performance

Constant Current Discharge Table (25°C/77°F) Unit: A

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.85V/cell	1460.5	1425.4	1303.3	1111.1	726.7	565.6	389.4	273.27	234.02	124.02
1.80V/cell	1796.8	1724.7	1518.5	1251.3	798.8	614.6	420.4	292.29	250.03	132.50
1.75V/cell	2125.1	1930.9	1618.6	1302.3	820.8	628.6	428.4	297.30	254.03	134.62
1.70V/cell	2385.4	2107.1	1712.7	1352.4	841.8	641.6	434.4	301.30	257.03	136.21
1.65V/cell	2561.6	2224.2	1781.8	1391.4	859.9	653.7	441.4	304.30	259.03	137.27
1.60V/cell	2679.7	2303.3	1827.8	1415.4	870.9	661.7	446.4	307.31	261.03	138.33

Constant Power Discharge Table (25°C/77°F) Unit: W

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.85V/cell	2716.7	2677.7	2489.5	2149.1	1413.4	1103.1	765.8	540.5	466.47	248.44
1.80V/cell	3283.3	3196.2	2872.9	2405.4	1544.5	1195.2	822.8	577.6	496.50	264.44
1.75V/cell	3817.8	3526.5	3031.0	2486.5	1578.6	1217.2	835.8	586.6	504.50	268.71
1.70V/cell	4208.2	3793.8	3175.2	2566.6	1611.6	1237.2	846.8	592.6	509.51	271.37
1.65V/cell	4438.4	3945.9	3270.3	2621.6	1637.6	1254.3	855.9	598.6	513.51	273.51
1.60V/cell	4554.6	4027.0	3319.3	2649.6	1650.6	1263.3	861.9	601.6	516.52	275.11

□ 动力电池

■ 储能电池

□ 备用电池

□ 摩托车电池



储能电池-管式胶体技术-OPzV系列

20OPzV2500

(2V 2500Ah)

产品特点

- ◆ 20年设计浮充寿命
- ◆ 使用温度区间宽广,在-40°C至+60°C之间均可正常使用
- ◆ 管式正极板设计,大大延长使用寿命
- ◆ 气象二氧化硅凝胶电解质
- ◆ 铅钙板栅显著提升抗腐蚀能力
- ◆ 自放电率低,能够长时间放置保存
- ◆ 出色的深放电恢复能力



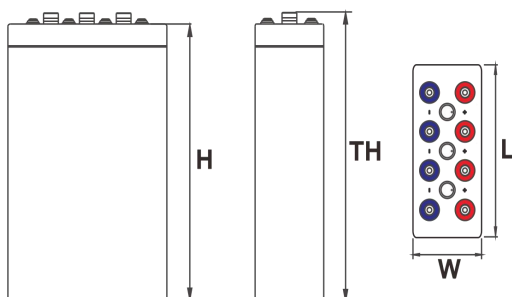
产品应用

- ◆ 不间断电源(UPS)
- ◆ 通信及电力设备
- ◆ 应急照明系统
- ◆ 安防及火灾报警系统
- ◆ 控制设备及其他工厂自动化设备
- ◆ 应急电源 (EPS)
- ◆ 照明设备

尺寸

单个尺寸

长	487±2mm
宽	212±2mm
高	772±3mm
总高	807±3mm



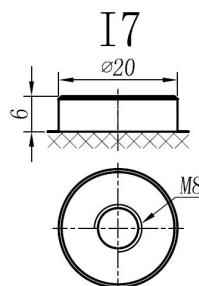
端子类型

单位:mm

端子类型 I7

重量

196kg 432.1lbs



内容如有改动,恕不另行通知

- 动力电池
- 储能电池
- 备用电池
- 摩托车电池



规格书

200PzV2500

额定电压	2V	
容量(25°C)	2650Ah	20hr Rate(1.80V/cell)
	2500Ah	10hr Rate(1.80V/cell)
	2142Ah	5hr Rate(1.75V/cell)
	1925Ah	3hr Rate(1.70V/cell)
	1415Ah	1hr Rate(1.60V/cell)
壳体材料	ABS (阻燃ABS壳体可选)	
使用温度范围	放电	-20 ~ +50°C
	充电	0 ~ +40°C
	储存	-15 ~ +40°C
不同温度下 电池容量系数	40°C / 104°F	106%
	25°C / 77°F	100%
	0°C / 32°F	86%
	-10°C / 14°F	65%
充电电压	浮充	2.25 -2.30V/单格@25°C, 补偿系数: -3mV/单格/°C
	均充	2.35 -2.40V/单格@25°C, 补偿系数: -3mV/单格/°C
	循环使用	2.40 -2.50V/单格@25°C, 补偿系数: -5mV/单格/°C
最大充电电流	750A (0.3C)	
最大放电电流 (5S)	20000A	
电阻	0.2mΩ	
自放电	<3%, TN系列储存在25°C时需每6个月进行一次补充充电, 环境温度更高时则充电间隔时间越短	

放电性能

恒电流放电表 (25°C/77°F) 单位: A										
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.85V/cell	1460.5	1425.4	1303.3	1111.1	726.7	565.6	389.4	273.3	234.0	124.0
1.80V/cell	1796.8	1724.7	1518.5	1251.3	798.8	614.6	420.4	292.3	250.0	132.5
1.75V/cell	2125.1	1930.9	1618.6	1302.3	820.8	628.6	428.4	297.3	254.0	134.6
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1.65V/cell	2561.6	2224.2	1781.8	1391.4	859.9	653.7	441.4	304.3	259.0	137.3
1.60V/cell	2679.7	2303.3	1827.8	1415.4	870.9	661.7	446.4	307.3	261.0	138.3

恒功率放电表 (25°C/77°F) 单位: W										
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.85V/cell	2716.7	2677.7	2489.5	2149.1	1413.4	1103.1	765.8	540.5	466.5	248.4
1.80V/cell	3283.3	3196.2	2872.9	2405.4	1544.5	1195.2	822.8	577.6	496.5	264.4
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1.65V/cell	4438.4	3945.9	3270.3	2621.6	1637.6	1254.3	855.9	598.6	513.5	273.5
1.60V/cell	4554.6	4027.0	3319.3	2649.6	1650.6	1263.3	861.9	601.6	516.5	275.1