

Motive Battery Energy Storage Battery

Reserve Battery Motorcycle Battery



Energy Storage Battery-Tubular GEL Technology-OPzV Series

100PzV1000

(2V 1000Ah)

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



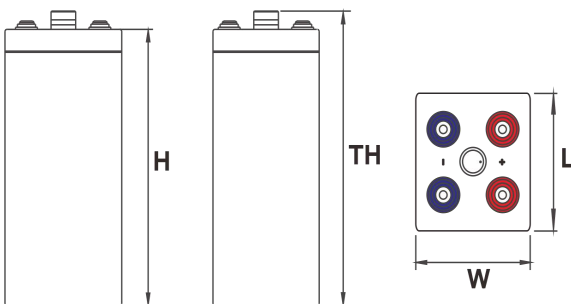
Application

- ◆ 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

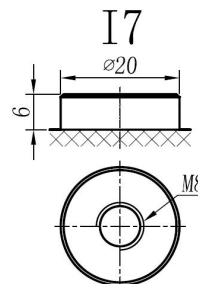
Length	233±2mm	/	9.17inch
Width	210±2mm	/	8.27inch
Container Height	646±3mm	/	25.43inch
Total Height	681±3mm	/	26.81inch



Terminal

Unit:mm

Terminal Type I7



Weight

78.5kg 173.06lbs



This document is subject to change without prior notification

Motive Battery Energy Storage Battery

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100PzV1000

Specification

Nominal Voltage	2V	
Rated Capacity(25°C)	1060Ah	20hr Rate(1.80V/cell)
	1000Ah	10hr Rate(1.80V/cell)
	866Ah	5hr Rate(1.75V/cell)
	778Ah	3hr Rate(1.70V/cell)
	569Ah	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	300A (0.3C)	
Max. Discharge Current (5S)	8000A	
Internal Resistance	0.19mΩ	
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	682.7	648.6	558.6	445.4	295.3	228.2	157.2	110.11	93.71	49.66
1.80V/cell	839.8	784.8	650.7	502.5	324.3	249.2	169.2	118.12	100.01	53.00
1.75V/cell	993.0	877.9	693.7	522.5	333.3	254.3	173.2	119.12	102.01	54.06
1.70V/cell	1114.1	958.0	733.7	542.5	342.3	259.3	175.2	121.12	103.01	54.59
1.65V/cell	1197.2	1012.0	763.8	558.6	349.3	264.3	178.2	122.12	104.01	55.12
1.60V/cell	1252.3	1048.0	782.8	568.6	354.4	267.3	180.2	123.12	105.01	55.65

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	1269.3	1218.2	1067.1	862.9	574.6	446.4	309.3	217.2	186.19	99.17
1.80V/cell	1533.5	1453.5	1231.2	965.0	627.6	483.5	332.3	232.2	199.20	106.09
1.75V/cell	1783.8	1604.6	1299.3	998.0	641.6	492.5	337.3	236.2	201.20	107.17
1.70V/cell	1966.0	1725.7	1361.4	1030.0	654.7	500.5	341.3	238.2	203.20	108.23
1.65V/cell	2073.1	1794.8	1401.4	1052.1	665.7	507.5	345.3	241.2	205.21	109.30
1.60V/cell	2128.1	1831.8	1422.4	1063.1	670.7	511.5	347.3	242.2	206.21	109.83

□ 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

100PzV1000

(2V 1000Ah)

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



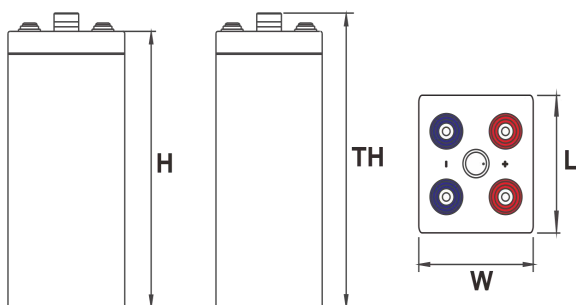
产品应用

- ◆ 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	233±2mm
宽	210±2mm
高	646±3mm
总高	681±3mm



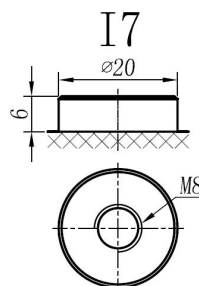
端子类型

单位:mm

端子类型 I7

重量

78.5kg 173.06lbs



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

100PzV1000

额定电压	2V	
容量(25°C)	1060Ah	20hr Rate(1.80V/cell)
	1000Ah	10hr Rate(1.80V/cell)
	866Ah	5hr Rate(1.75V/cell)
	778Ah	3hr Rate(1.70V/cell)
	569Ah	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	300A (0.3C)	
最大放电电流 (5S)	8000A	
电阻	0.19mΩ	
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	682.7	648.6	558.6	445.4	295.3	228.2	157.2	110.1	93.7	49.7
1.80V/cell	839.8	784.8	650.7	502.5	324.3	249.2	169.2	118.1	100.0	53.0
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1.70V/cell	1114.1	958.0	733.7	542.5	342.3	259.3	175.2	121.1	103.0	54.6
1.65V/cell	1197.2	1012.0	763.8	558.6	349.3	264.3	178.2	122.1	104.0	55.1
1.60V/cell	1252.3	1048.0	782.8	568.6	354.4	267.3	180.2	123.1	105.0	55.7

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	1269.3	1218.2	1067.1	862.9	574.6	446.4	309.3	217.2	186.2	99.2
1.80V/cell	1533.5	1453.5	1231.2	965.0	627.6	483.5	332.3	232.2	199.2	106.1
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1.65V/cell	2073.1	1794.8	1401.4	1052.1	665.7	507.5	345.3	241.2	205.2	109.3
1.60V/cell	2128.1	1831.8	1422.4	1063.1	670.7	511.5	347.3	242.2	206.2	109.8