

Motive Battery Energy Storage Battery

Reserve Battery Motorcycle Battery



Energy Storage Battery-Tubular GEL Technology-OPzV Series

60PzV420

(2V 420Ah)

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

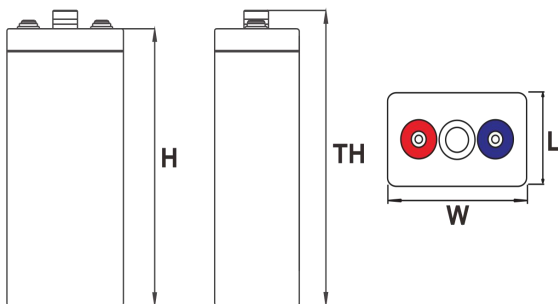
Application

- ◆ 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	145±2mm / 5.71inch
Width	206±2mm / 8.11inch
Container Height	471±3mm / 18.54inch
Total Height	506±3mm / 19.92inch



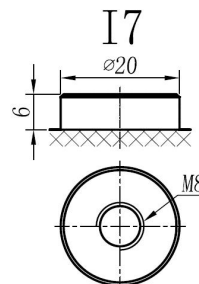
Terminal

Unit:mm

Terminal Type I7

Weight

34kg 74.96lbs



This document is subject to change without prior notification

Motive Battery Energy Storage Battery

Reserve Battery Motorcycle Battery



60PzV420

Specification

Nominal Voltage	2V	
Rated Capacity(25°C)	445Ah	20hr Rate(1.80V/cell)
	420Ah	10hr Rate(1.80V/cell)
	366Ah	5hr Rate(1.75V/cell)
	330Ah	3hr Rate(1.70V/cell)
	239Ah	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	126A (0.3C)	
Max. Discharge Current (5S)	3360A	
Internal Resistance	0.8mΩ	
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	329.3	303.3	248.2	188.2	126.1	97.3	66.6	46.45	39.30	20.83
1.80V/cell	405.4	367.4	289.3	212.2	139.1	106.1	71.9	49.75	42.00	22.26
1.75V/cell	479.5	411.4	308.3	220.2	142.1	108.1	73.2	50.65	42.70	22.63
1.70V/cell	537.5	449.4	326.3	229.2	146.1	110.1	74.4	51.25	43.20	22.90
1.65V/cell	577.6	474.5	339.3	235.2	149.1	112.1	75.5	51.85	43.60	23.11
1.60V/cell	604.6	490.5	347.3	239.2	151.2	114.1	76.3	52.35	43.90	23.27

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	612.6	570.6	473.5	363.4	245.2	190.2	131.1	92.09	78.28	41.69
1.80V/cell	740.7	680.7	546.5	407.4	268.3	206.2	141.1	98.50	83.48	44.46
1.75V/cell	860.9	751.8	576.6	420.4	274.3	209.2	143.1	99.90	84.68	45.10
1.70V/cell	948.9	808.8	604.6	434.4	280.3	213.2	145.1	101.10	85.49	45.53
1.65V/cell	1001.0	840.8	621.6	443.4	284.3	216.2	146.1	102.10	86.29	45.96
1.60V/cell	1027.0	857.9	631.6	448.4	286.3	217.2	147.1	102.10	86.69	46.17

□ 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

60PzV420

(2V 420Ah)

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

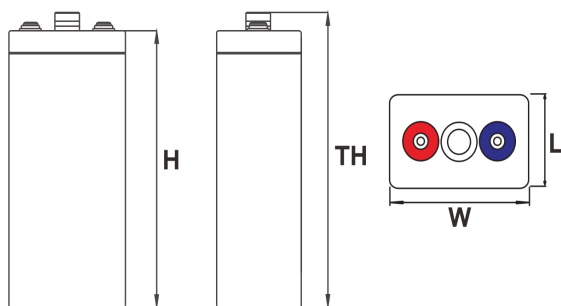
产品应用

- ◆ 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	145±2mm
宽	206±2mm
高	471±3mm
总高	506±3mm



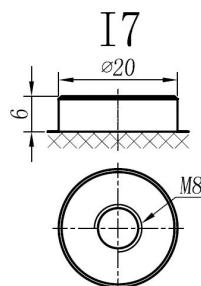
端子类型

单位:mm

端子类型 I7

重量

34kg 74.96lbs



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



60PzV420

规格书

额定电压	2V	
容量(25°C)	445Ah	20hr Rate(1.80V/cell)
	420Ah	10hr Rate(1.80V/cell)
	366Ah	5hr Rate(1.75V/cell)
	330Ah	3hr Rate(1.70V/cell)
	239Ah	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	126A (0.3C)	
最大放电电流 (5S)	3360A	
电阻	0.8mΩ	
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	329.3	303.3	248.2	188.2	126.1	97.3	66.6	46.4	39.3	20.8
1.80V/cell	405.4	367.4	289.3	212.2	139.1	106.1	71.9	49.7	42.0	22.3
1.75V/cell	479.5	411.4	308.3	220.2	142.1	108.1	73.2	50.7	42.7	22.6
1.70V/cell	537.5	449.4	326.3	229.2	146.1	110.1	74.4	51.3	43.2	22.9
1.65V/cell	577.6	474.5	339.3	235.2	149.1	112.1	75.5	51.9	43.6	23.1
1.60V/cell	604.6	490.5	347.3	239.2	151.2	114.1	76.3	52.4	43.9	23.3

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	612.6	570.6	473.5	363.4	245.2	190.2	131.1	92.1	78.3	41.7
1.80V/cell	740.7	680.7	546.5	407.4	268.3	206.2	141.1	98.5	83.5	44.5
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1.60V/cell	1027.0	857.9	631.6	448.4	286.3	217.2	147.1	102.1	86.7	46.2