

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



Industry Battery-General Purpose AGM Battery-TN Series

TN6-7.0

(6V 7.0Ah)

GENERAL FEATURES

- ◆ Oxygen recombination technology: maintenance-free, no need to add water or acid
- ◆ The patent grid alloy: less gassing, low self-discharge, excellent corrosion resistance
- ◆ Design life is 3~5 years at 25°C under standby application, deep discharge recoverability
- ◆ High quality AGM separator: extend cycle life and prevent micro short circuit
- ◆ ABS container: increase the strength of battery (Flame-retardant ABS UL94-V0 is optional)

Dimension

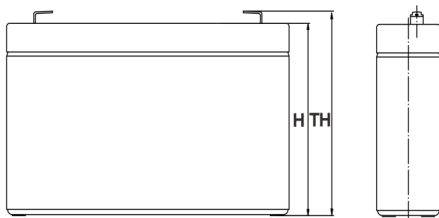
Unit:mm

Length 151±2mm / 5.94inch

Width 35±2mm / 1.38inch

Container Height 93±3mm / 3.66inch

Total Height 99±3mm / 3.9inch



Application

- ◆ Uninterrupted Power Supply (UPS)
- ◆ Communications and electric equipment
- ◆ Emergency lighting equipment
- ◆ Fire alarm and security system
- ◆ Control equipment, and other factory automation equipment
- ◆ Emergency power supply (EPS)
- ◆ Portable VTR/TV, radio and so on
- ◆ Power tools, lawn mowers, vacuum cleaners
- ◆ Cameras and photographic equipment
- ◆ Portable measuring equipment
- ◆ Portable telephone sets
- ◆ Various power toys and hobby equipment
- ◆ Lighting equipment

Terminal

Unit:mm

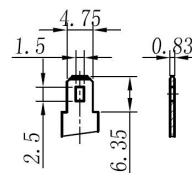
Terminal Type: T1/T2

Weight

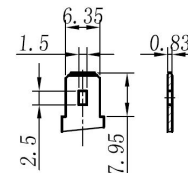
1.1kg

2.43lbs

T1



T2



ISO9001 ISO14001 OHSAS18001

This document is subject to change without prior notification

Motive Battery

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TN6-7.0

Specification

Nominal Voltage	6V	
Rated Capacity(25°C)	7.00Ah	20hr Rate (1.80V/cell)
	6.52Ah	10hr Rate (1.80V/cell)
	6.04Ah	5hr Rate (1.75V/cell)
	5.57Ah	3hr Rate (1.70V/cell)
	4.47Ah	1hr Rate (1.60V/cell)
Container Material	ABS (Flame-retardant ABS UL94-V0 is optional)	
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	Float Voltage	2.23 -2.27V/cell@25°C, Tem.Coefficient : -3mV/cell/°C
	Equalize Voltage	2.35 -2.40V/cell@25°C, Tem.Coefficient : -3mV/cell/°C
	Cycle Voltage	2.40 -2.50V/cell@25°C, Tem.Coefficient : -5mV/cell/°C
Max. Charging Current	2.1A (0.3C)	
Max. Discharge Current (5S)	105A	
Internal Resistance	15mΩ	
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	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	13.3	10.2	8.5	7.3	5.7	4.2	3.57	2.11	1.65	1.34	1.10	0.95	0.76	0.632	0.347
1.80V/cell	17.9	13.1	10.2	8.7	6.7	4.9	4.00	2.30	1.78	1.43	1.18	1.02	0.81	0.652	0.350
1.75V/cell	20.2	14.4	11.2	9.3	6.9	5.1	4.19	2.40	1.82	1.47	1.21	1.04	0.82	0.670	0.354
1.70V/cell	22.2	15.7	11.9	9.8	7.2	5.3	4.32	2.46	1.86	1.50	1.24	1.06	0.84	0.683	0.360
1.67V/cell	24.5	16.9	12.7	10.4	7.6	5.5	4.42	2.49	1.94	1.56	1.27	1.09	0.85	0.697	0.365
1.60V/cell	27.0	18.4	13.6	11.1	8.1	5.7	4.47	2.60	2.00	1.60	1.32	1.11	0.86	0.705	0.367

Constant Power Discharge Table (25°C/77°F) Unit: W															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	24.4	18.9	15.8	13.8	10.8	8.0	6.80	4.04	3.18	2.59	2.12	1.84	1.49	1.251	0.687
1.80V/cell	32.4	23.9	18.9	16.1	12.6	9.3	7.58	4.38	3.40	2.75	2.26	1.97	1.58	1.287	0.693
1.75V/cell	35.7	25.8	20.3	17.2	12.9	9.5	7.89	4.53	3.45	2.80	2.31	2.02	1.60	1.320	0.699
1.70V/cell	38.2	27.5	21.4	17.9	13.4	9.9	8.11	4.63	3.54	2.87	2.37	2.05	1.62	1.346	0.711
1.67V/cell	41.6	29.4	22.6	18.9	14.0	10.0	8.24	4.67	3.67	2.96	2.43	2.09	1.65	1.371	0.720
1.60V/cell	44.8	31.2	23.8	19.9	14.7	10.4	8.27	4.85	3.76	3.04	2.50	2.13	1.66	1.384	0.723

动力电池

储能电池

备用电池

摩托车电池



阀控式免维护铅酸蓄电池 - 通用型

TN6-7.0

(6V 7.0Ah)

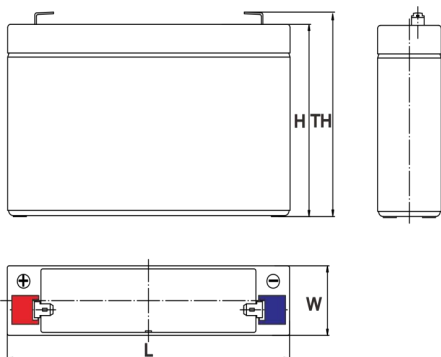
产品特点

- ◆ 阀控式免维护设计，寿命期间无需加水或加酸
- ◆ 专利稀土合金板栅，减少气体产生，自放电率低，抗腐蚀性能力出众
- ◆ 在25°C下，产品浮充设计寿命为3~5年，优良的深放电恢复能力
- ◆ 高质量AGM隔板：防止微短路，延长循环寿命
- ◆ ABS壳盖：电池外壳强度高（阻燃壳体UL94-V0可选）

尺寸

单个尺寸

长	151±2mm
宽	35±2mm
高	93±3mm
总高	99±3mm



产品应用

- ◆ 不间断电源(UPS)
- ◆ 通信和电力设备
- ◆ 紧急照明设备
- ◆ 火灾报警及安防系统
- ◆ 控制设备及其他机械自动化设备
- ◆ 应急电源系统
- ◆ 便携式音频设备
- ◆ 电动工具，割草机，真空吸尘器
- ◆ 照相设备
- ◆ 便携式测量工具
- ◆ 便携式通话设备
- ◆ 各式电动玩具及娱乐设施
- ◆ 照明设备

端子类型

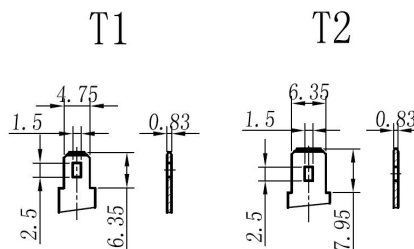
单位:mm

端子类型 T1/T2

重量

1.1kg

2.43lbs



ISO9001 ISO14001 OHSAS18001

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



TN6-7.0

规格书

额定电压	6V	
容量(25°C)	7.00Ah	20hr Rate (1.80V/cell)
	6.52Ah	10hr Rate (1.80V/cell)
	6.04Ah	5hr Rate (1.75V/cell)
	5.57Ah	3hr Rate (1.70V/cell)
	4.47Ah	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	浮充电压	2.23 -2.27V/单格@25°C, 温度补偿系数: -3mV/单格/°C
	均充电压	2.35 -2.40V/单格@25°C, 温度补偿系数: -3mV/单格/°C
	循环使用电压	2.40 -2.50V/单格@25°C, 温度补偿系数: -5mV/单格/°C
最大充电电流	2.1A (0.3C)	
最大放电电流 (5S)	105A	
电阻	15mΩ	
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	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	13.3	10.2	8.5	7.3	5.7	4.2	3.57	2.11	1.65	1.34	1.10	0.95	0.76	0.632	0.347
1.80V/cell	17.9	13.1	10.2	8.7	6.7	4.9	4.00	2.30	1.78	1.43	1.18	1.02	0.81	0.652	0.350
1.75V/cell	20.2	14.4	11.2	9.3	6.9	5.1	4.19	2.40	1.82	1.47	1.21	1.04	0.82	0.670	0.354
1.70V/cell	22.2	15.7	11.9	9.8	7.2	5.3	4.32	2.46	1.86	1.50	1.24	1.06	0.84	0.683	0.360
1.67V/cell	24.5	16.9	12.7	10.4	7.6	5.5	4.42	2.49	1.94	1.56	1.27	1.09	0.85	0.697	0.365
1.60V/cell	27.0	18.4	13.6	11.1	8.1	5.7	4.47	2.60	2.00	1.60	1.32	1.11	0.86	0.705	0.367

恒功率放电表 (25°C/77°F) 单位: W															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	24.4	18.9	15.8	13.8	10.8	8.0	6.80	4.04	3.18	2.59	2.12	1.84	1.49	1.251	0.687
1.80V/cell	32.4	23.9	18.9	16.1	12.6	9.3	7.58	4.38	3.40	2.75	2.26	1.97	1.58	1.287	0.693
1.75V/cell	35.7	25.8	20.3	17.2	12.9	9.5	7.89	4.53	3.45	2.80	2.31	2.02	1.60	1.320	0.699
1.70V/cell	38.2	27.5	21.4	17.9	13.4	9.9	8.11	4.63	3.54	2.87	2.37	2.05	1.62	1.346	0.711
1.67V/cell	41.6	29.4	22.6	18.9	14.0	10.0	8.24	4.67	3.67	2.96	2.43	2.09	1.65	1.371	0.720
1.60V/cell	44.8	31.2	23.8	19.9	14.7	10.4	8.27	4.85	3.76	3.04	2.50	2.13	1.66	1.384	0.723