

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



Industry Battery-General Purpose AGM Battery-TN Series

TN6-7.5

(6V 7.5Ah)

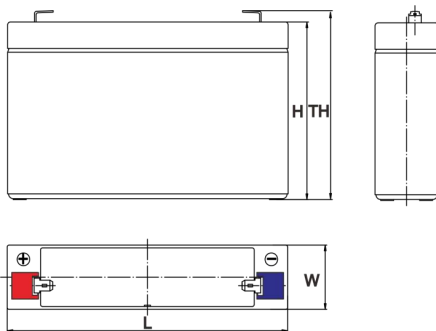
GENERAL FEATURES

- ♦ 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	34±2mm / 1.34inch
Container Height	94±3mm / 3.7inch
Total Height	100±3mm / 3.94inch



Application

- ♦ Uninterrupted Power Supply (UPS)
- ♦ Communications and electric equipment
- ♦ Emergency lighting equipment
- ♦ Fire alarm and security system
- ♦ Robots, 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

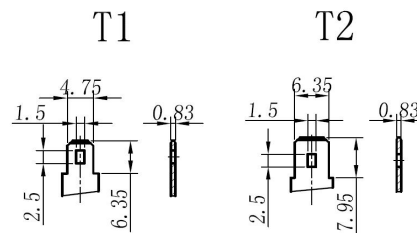
Unit:mm

Terminal Type: T1/T2

Weight

1.26kg

2.78lbs



This document is subject to change without prior notification

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TN6-7.5

Specificaion

Nominal Voltage	6V	
Rated Capacity(25°C)	7.51Ah	20hr Rate(1.80V/cell)
	6.99Ah	10hr Rate(1.80V/cell)
	6.5Ah	5hr Rate(1.75V/cell)
	6Ah	3hr Rate(1.70V/cell)
	4.78Ah	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	2.25A (0.3C)	
Max. Discharge Current (5S)	112.5A	
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	14.3	11.0	9.1	7.9	6.1	4.5	3.83	2.26	1.78	1.44	1.18	1.01	0.82	0.678	0.371
1.80V/cell	19.2	14.0	11.0	9.3	7.2	5.3	4.28	2.47	1.91	1.54	1.26	1.09	0.87	0.699	0.375
1.75V/cell	21.6	15.4	12.0	10.0	7.4	5.5	4.49	2.56	1.94	1.57	1.30	1.12	0.88	0.717	0.379
1.70V/cell	23.8	16.8	12.8	10.5	7.7	5.7	4.63	2.63	2.00	1.61	1.33	1.14	0.89	0.732	0.386
1.67V/cell	26.2	18.1	13.6	11.2	8.2	5.8	4.74	2.67	2.08	1.66	1.36	1.16	0.91	0.747	0.391
1.60V/cell	29.0	19.7	14.6	11.9	8.6	6.1	4.78	2.78	2.14	1.73	1.41	1.19	0.92	0.755	0.393

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	26.1	20.3	17.0	14.8	11.6	8.6	7.29	4.33	3.40	2.77	2.27	1.97	1.60	1.341	0.736
1.80V/cell	34.7	25.6	20.2	17.2	13.5	9.9	8.12	4.70	3.64	2.95	2.42	2.11	1.69	1.381	0.743
1.75V/cell	38.3	27.7	21.8	18.4	13.8	10.2	8.45	4.85	3.69	3.00	2.48	2.16	1.72	1.411	0.749
1.70V/cell	41.0	29.5	23.0	19.2	14.3	10.6	8.69	4.96	3.79	3.08	2.54	2.20	1.74	1.441	0.762
1.67V/cell	44.5	31.5	24.2	20.2	15.0	10.7	8.83	5.01	3.93	3.17	2.60	2.24	1.76	1.471	0.772
1.60V/cell	48.0	33.4	25.5	21.3	15.7	11.1	8.86	5.20	4.03	3.26	2.68	2.28	1.77	1.481	0.775

□ 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

TN6-7.5

(6V 7.5Ah)

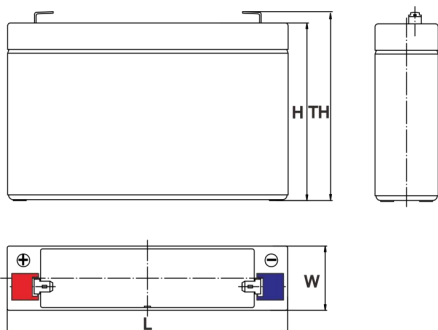
产品特点

- ◆ 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	34±2mm
高	94±3mm
总高	100±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
- ◆ 机器人、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

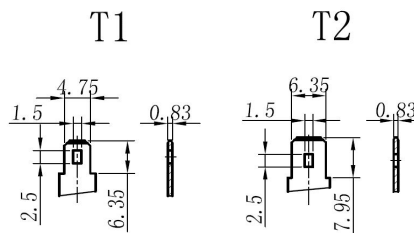
端子类型

单位:mm

端子类型 T1/T2

重量

1.26kg 2.78lbs



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



TN6-7.5

规格书

额定电压	6V	
容量(25°C)	7.51Ah	20hr Rate(1.80V/cell)
	6.99Ah	10hr Rate(1.80V/cell)
	6.5Ah	5hr Rate(1.75V/cell)
	6Ah	3hr Rate(1.70V/cell)
	4.78Ah	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	2.25A (0.3C)	
最大放电电流 (5S)	112.5A	
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	14.3	11.0	9.1	7.9	6.1	4.5	3.83	2.26	1.78	1.44	1.18	1.01	0.82	0.678	0.371
1.80V/cell	19.2	14.0	11.0	9.3	7.2	5.3	4.28	2.47	1.91	1.54	1.26	1.09	0.87	0.699	0.375
1.75V/cell	21.6	15.4	12.0	10.0	7.4	5.5	4.49	2.56	1.94	1.57	1.30	1.12	0.88	0.717	0.379
1.70V/cell	23.8	16.8	12.8	10.5	7.7	5.7	4.63	2.63	2.00	1.61	1.33	1.14	0.89	0.732	0.386
1.67V/cell	26.2	18.1	13.6	11.2	8.2	5.8	4.74	2.67	2.08	1.66	1.36	1.16	0.91	0.747	0.391
1.60V/cell	29.0	19.7	14.6	11.9	8.6	6.1	4.78	2.78	2.14	1.73	1.41	1.19	0.92	0.755	0.393

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	26.1	20.3	17.0	14.8	11.6	8.6	7.29	4.33	3.40	2.77	2.27	1.97	1.60	1.341	0.736
1.80V/cell	34.7	25.6	20.2	17.2	13.5	9.9	8.12	4.70	3.64	2.95	2.42	2.11	1.69	1.381	0.743
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