

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



## Industry Battery-General Purpose AGM Battery-TN Series

# TN6-7.2

(6V 7.2Ah)

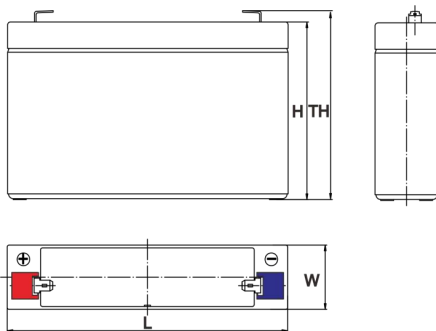
### GENERAL FEATURES

- ♦ 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

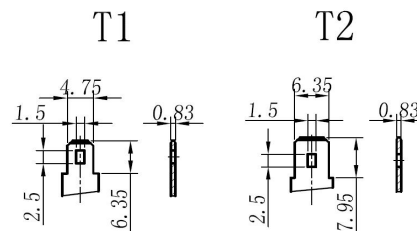
Unit:mm

Terminal Type: T1/T2

### Weight

1.2kg

2.65lbs



This document is subject to change without prior notification

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



## TN6-7.2

### Specificaion

<b>Nominal Voltage</b>	6V	
<b>Rated Capacity(25°C)</b>	7.21Ah	20hr Rate(1.80V/cell )
	6.71Ah	10hr Rate(1.80V/cell )
	6.19Ah	5hr Rate(1.75V/cell )
	5.76Ah	3hr Rate(1.70V/cell )
	4.59Ah	1hr Rate(1.60V/cell )
<b>Container Material</b>	ABS ( Flame-retardant ABS UL94-V0 is optional )	
<b>Operating Temperature Range</b>	<b>Discharge</b>	-20 ~ +50°C
	<b>Charge</b>	0 ~ +40°C
	<b>Storage</b>	-15 ~ +40°C
<b>Capacity Effected by Temperature</b>	<b>40°C / 104°F</b>	106%
	<b>25°C / 77°F</b>	100%
	<b>0°C / 32°F</b>	86%
	<b>-10°C / 14°F</b>	65%
<b>Charge</b>	<b>Float Voltage</b>	2.23 -2.27V/cell@25°C, Tem.Coefficient : -3mV/cell/°C
	<b>Equalize Voltage</b>	2.35 -2.40V/cell@25°C, Tem.Coefficient : -3mV/cell/°C
	<b>Cycle Voltage</b>	2.40 -2.50V/cell@25°C, Tem.Coefficient : -5mV/cell/°C
<b>Max. Charging Current</b>	2.16A ( 0.3C )	
<b>Max. Discharge Current (5S)</b>	108A	
<b>Internal Resistance</b>	12mΩ	
<b>Self-Discharge</b>	<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	13.7	10.5	8.7	7.5	5.8	4.4	3.67	2.17	1.71	1.38	1.13	0.97	0.78	0.650	0.356
1.80V/cell	18.4	13.5	10.5	8.9	6.9	5.1	4.12	2.38	1.83	1.47	1.21	1.04	0.83	0.671	0.360
1.75V/cell	20.8	14.8	11.5	9.6	7.1	5.3	4.30	2.46	1.87	1.51	1.24	1.07	0.85	0.689	0.364
1.70V/cell	22.9	16.1	12.3	10.1	7.4	5.5	4.45	2.52	1.92	1.55	1.27	1.09	0.86	0.702	0.370
1.67V/cell	25.2	17.4	13.1	10.7	7.8	5.6	4.55	2.56	2.00	1.60	1.31	1.12	0.87	0.717	0.375
1.60V/cell	27.8	18.9	14.0	11.4	8.3	5.8	4.59	2.67	2.06	1.65	1.35	1.14	0.88	0.725	0.377

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	25.1	19.4	16.3	14.2	11.1	8.3	6.99	4.16	3.27	2.66	2.18	1.90	1.53	1.291	0.707
1.80V/cell	33.3	24.6	19.4	16.6	12.9	9.5	7.79	4.51	3.49	2.83	2.33	2.02	1.62	1.321	0.713
1.75V/cell	36.7	26.6	20.9	17.6	13.3	9.8	8.11	4.66	3.54	2.88	2.38	2.07	1.65	1.361	0.719
1.70V/cell	39.3	28.3	22.0	18.4	13.8	10.1	8.34	4.76	3.64	2.95	2.44	2.11	1.67	1.381	0.732
1.67V/cell	42.8	30.2	23.2	19.4	14.4	10.3	8.47	4.80	3.78	3.04	2.49	2.15	1.69	1.411	0.741
1.60V/cell	46.1	32.1	24.5	20.4	15.1	10.7	8.51	4.99	3.87	3.13	2.57	2.19	1.70	1.421	0.744

□ 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

# TN6-7.2

(6V 7.2Ah)

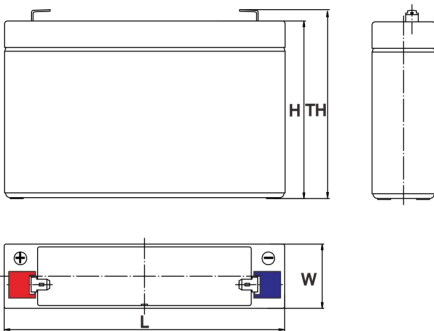
## 产品特点

- ◆ 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

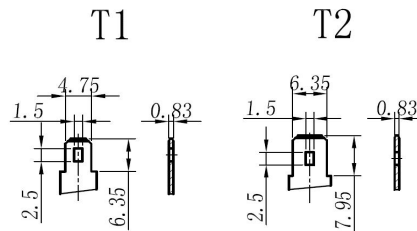
单位:mm

端子类型 T1/T2

## 重量

1.2kg

2.65lbs



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



## TN6-7.2

### 规格书

额定电压	6V	
容量(25°C)	7.21Ah	20hr Rate(1.80V/cell)
	6.71Ah	10hr Rate(1.80V/cell)
	6.19Ah	5hr Rate(1.75V/cell)
	5.76Ah	3hr Rate(1.70V/cell)
	4.59Ah	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	2.16A ( 0.3C )	
最大放电电流 ( 5S )	108A	
电阻	12mΩ	
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	13.7	10.5	8.7	7.5	5.8	4.4	3.67	2.17	1.71	1.38	1.13	0.97	0.78	0.650	0.356
1.80V/cell	18.4	13.5	10.5	8.9	6.9	5.1	4.12	2.38	1.83	1.47	1.21	1.04	0.83	0.671	0.360
1.75V/cell	20.8	14.8	11.5	9.6	7.1	5.3	4.30	2.46	1.87	1.51	1.24	1.07	0.85	0.689	0.364
1.70V/cell	22.9	16.1	12.3	10.1	7.4	5.5	4.45	2.52	1.92	1.55	1.27	1.09	0.86	0.702	0.370
1.67V/cell	25.2	17.4	13.1	10.7	7.8	5.6	4.55	2.56	2.00	1.60	1.31	1.12	0.87	0.717	0.375
1.60V/cell	27.8	18.9	14.0	11.4	8.3	5.8	4.59	2.67	2.06	1.65	1.35	1.14	0.88	0.725	0.377

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	25.1	19.4	16.3	14.2	11.1	8.3	6.99	4.16	3.27	2.66	2.18	1.90	1.53	1.291	0.707
1.80V/cell	33.3	24.6	19.4	16.6	12.9	9.5	7.79	4.51	3.49	2.83	2.33	2.02	1.62	1.321	0.713
1.75V/cell	36.7	26.6	20.9	17.6	13.3	9.8	8.11	4.66	3.54	2.88	2.38	2.07	1.65	1.361	0.719
1.70V/cell	39.3	28.3	22.0	18.4	13.8	10.1	8.34	4.76	3.64	2.95	2.44	2.11	1.67	1.381	0.732
1.67V/cell	42.8	30.2	23.2	19.4	14.4	10.3	8.47	4.80	3.78	3.04	2.49	2.15	1.69	1.411	0.741
1.60V/cell	46.1	32.1	24.5	20.4	15.1	10.7	8.51	4.99	3.87	3.13	2.57	2.19	1.70	1.421	0.744