

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



Industry Battery-General Purpose AGM Battery-TN Series

TN6-12

(6V 12Ah)

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)



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

Dimension

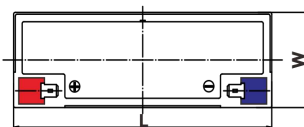
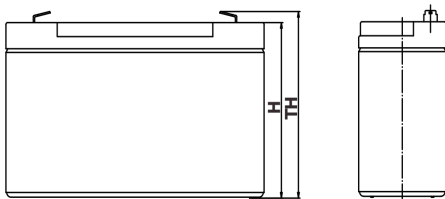
Unit:mm

Length 151±2mm / 5.94inch

Width 51±2mm / 2.01inch

Container Height 94±3mm / 3.7inch

Total Height 100±3mm / 3.94inch



Terminal

Unit:mm

Terminal Type: T1/T2

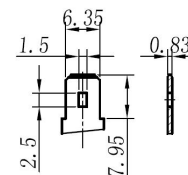
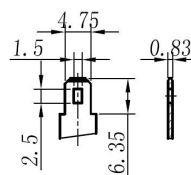
Weight

1.8kg

3.97lbs

T1

T2



ISO9001 ISO14001 OHSAS18001

This document is subject to change without prior notification

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



TN6-12

Specification

Nominal Voltage	6V	
Rated Capacity(25°C)	12.0Ah	20hr Rate (1.80V/cell)
	11.2Ah	10hr Rate (1.80V/cell)
	10.4Ah	5hr Rate (1.75V/cell)
	9.6Ah	3hr Rate (1.70V/cell)
	7.7Ah	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	3.6A (0.3C)	
Max. Discharge Current (5S)	180A	
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	22.9	17.5	14.5	12.6	9.7	7.3	6.12	3.62	2.83	2.30	1.88	1.63	1.31	1.081	0.595
1.80V/cell	30.7	22.4	17.6	14.9	11.5	8.5	6.86	3.96	3.05	2.46	2.02	1.74	1.38	1.121	0.601
1.75V/cell	34.6	24.6	19.2	16.0	11.9	8.8	7.18	4.10	3.11	2.52	2.07	1.79	1.41	1.151	0.607
1.70V/cell	38.1	26.9	20.5	16.8	12.4	9.1	7.40	4.20	3.20	2.58	2.12	1.83	1.43	1.171	0.618
1.67V/cell	42.0	29.0	21.8	17.8	13.1	9.3	7.57	4.26	3.33	2.67	2.18	1.87	1.45	1.191	0.626
1.60V/cell	46.3	31.5	23.3	19.0	13.8	9.7	7.65	4.45	3.43	2.75	2.25	1.91	1.46	1.211	0.630

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	41.8	32.4	27.1	23.7	18.5	13.8	11.61	6.94	5.45	4.44	3.63	3.16	2.56	2.142	1.181
1.80V/cell	55.6	40.9	32.3	27.6	21.5	15.9	13.01	7.52	5.83	4.71	3.88	3.37	2.71	2.212	1.191
1.75V/cell	61.3	44.3	34.9	29.4	22.2	16.3	13.51	7.77	5.92	4.80	3.97	3.46	2.75	2.262	1.201
1.70V/cell	65.7	47.1	36.7	30.7	22.9	16.9	13.91	7.95	6.07	4.92	4.06	3.52	2.78	2.312	1.221
1.67V/cell	71.4	50.5	38.7	32.3	24.0	17.2	14.11	8.02	6.30	5.08	4.16	3.59	2.82	2.352	1.231
1.60V/cell	76.9	53.6	40.8	34.1	25.2	17.8	14.21	8.32	6.46	5.22	4.28	3.65	2.84	2.372	1.241

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

TN6-12

(6V 12Ah)

产品特点

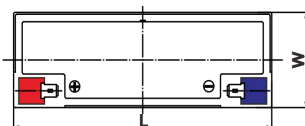
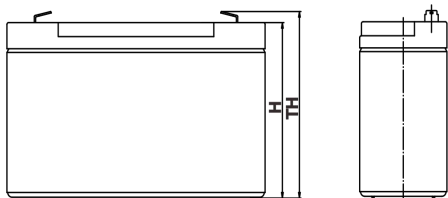
- ◆ 阀控式免维护设计，寿命期间无需加水或加酸
- ◆ 专利稀土合金板栅，减少气体产生，自放电率低，抗腐蚀性能力出众
- ◆ 在25°C下，产品浮充设计寿命为3~5年，优良的深放电恢复能力
- ◆ 高质量AGM隔板：防止微短路，延长循环寿命
- ◆ ABS壳盖：电池外壳强度高（阻燃壳体UL94-V0可选）



尺寸

单个尺寸

长	151±2mm
宽	51±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
- ◆ 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

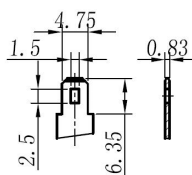
端子类型 T1/T2

重量

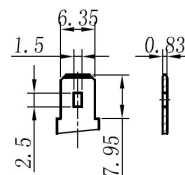
1.8kg

3.97lbs

T1



T2



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



TN6-12

规格书

额定电压	6V	
容量(25°C)	12.0Ah	20hr Rate (1.80V/cell)
	11.2Ah	10hr Rate (1.80V/cell)
	10.4Ah	5hr Rate (1.75V/cell)
	9.6Ah	3hr Rate (1.70V/cell)
	7.7Ah	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	3.6A (0.3C)	
最大放电电流 (5S)	180A	
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	22.9	17.5	14.5	12.6	9.7	7.3	6.12	3.62	2.83	2.30	1.88	1.63	1.31	1.081	0.595
1.80V/cell	30.7	22.4	17.6	14.9	11.5	8.5	6.86	3.96	3.05	2.46	2.02	1.74	1.38	1.121	0.601
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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	41.8	32.4	27.1	23.7	18.5	13.8	11.61	6.94	5.45	4.44	3.63	3.16	2.56	2.142	1.181
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