

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



Industry Battery-General Purpose AGM Battery-TN Series

TN12-6.0

(12V 6.0Ah)

GENERAL FEATURES

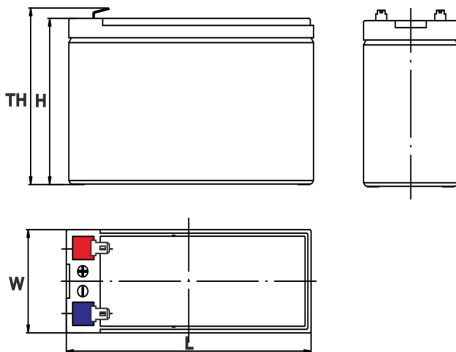
- ♦ Oxygen recombination technology: maintenance-free, no need to add water or acid
- ♦ The patent grid alloy: less gassing, low self-discharge, excellent corrosion resistance
- ♦ Design life is 3~5 years at 25°C under standby application, deep discharge recoverability
- ♦ High quality AGM separator: 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	65.5±2mm / 2.58inch
Container Height	93.5±3mm / 3.68inch
Total Height	99.5±3mm / 3.92inch



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

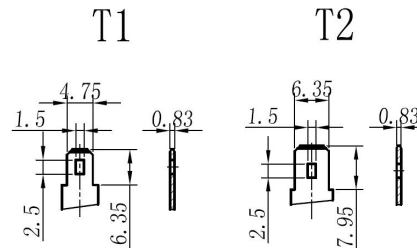
Unit:mm

Terminal Type: T1/T2

Weight

1.9kg

4.19lbs



ISO9001 ISO14001 OHSAS18001

This document is subject to change without prior notification

Motive Battery

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TN12-6.0

Specification

Nominal Voltage	12V	
Rated Capacity(25°C)	6.00Ah	20hr Rate (1.80V/cell)
	5.66Ah	10hr Rate (1.80V/cell)
	5.14Ah	5hr Rate (1.75V/cell)
	4.68Ah	3hr Rate (1.70V/cell)
	3.75Ah	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	1.8A (0.3C)	
Max. Discharge Current (5S)	87A	
Internal Resistance	25mΩ	
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	11.6	8.5	7.0	6.1	4.8	3.6	3.00	1.80	1.39	1.14	0.94	0.82	0.66	0.547	0.297
1.80V/cell	14.9	10.5	8.3	7.1	5.5	4.1	3.30	1.94	1.48	1.20	1.00	0.87	0.69	0.566	0.300
1.75V/cell	17.2	11.7	9.1	7.6	5.8	4.3	3.46	2.02	1.52	1.23	1.03	0.89	0.70	0.579	0.304
1.70V/cell	19.1	12.8	9.8	8.1	6.0	4.4	3.59	2.08	1.56	1.27	1.05	0.91	0.71	0.590	0.309
1.67V/cell	21.1	13.9	10.4	8.6	6.3	4.6	3.70	2.13	1.62	1.31	1.08	0.93	0.72	0.600	0.313
1.60V/cell	22.8	14.8	11.0	9.0	6.6	4.7	3.75	2.20	1.66	1.34	1.11	0.95	0.74	0.608	0.315

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	21.4	15.9	13.3	11.6	9.2	7.0	5.84	3.52	2.73	2.24	1.87	1.62	1.31	1.093	0.594
1.80V/cell	27.4	19.5	15.6	13.2	10.4	7.8	6.39	3.77	2.89	2.36	1.97	1.71	1.37	1.124	0.598
1.75V/cell	31.0	21.4	16.9	14.2	10.9	8.2	6.67	3.91	2.95	2.41	2.01	1.74	1.39	1.150	0.602
1.70V/cell	33.9	23.0	17.9	15.0	11.3	8.4	6.88	4.02	3.03	2.47	2.06	1.78	1.41	1.165	0.612
1.67V/cell	36.8	24.6	18.8	15.7	11.8	8.6	7.04	4.08	3.13	2.53	2.10	1.81	1.42	1.180	0.618
1.60V/cell	38.9	25.7	19.6	16.3	12.1	8.9	7.10	4.21	3.20	2.59	2.15	1.84	1.44	1.191	0.620

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

TN12-6.0

(12V 6.0Ah)

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）



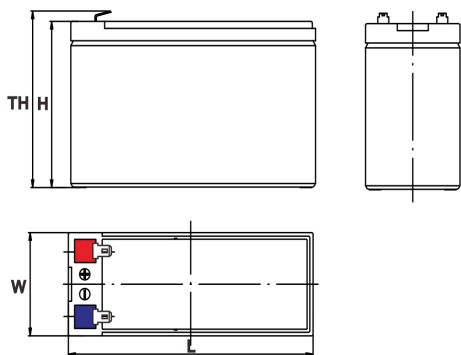
产品应用

- ◆ 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

尺寸

单个尺寸

长	151±2mm
宽	65.5±2mm
高	93.5±3mm
总高	99.5±3mm



端子类型

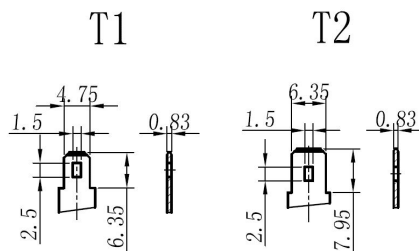
单位:mm

端子类型 T1/T2

重量

1.9kg

4.19lbs



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



TN12-6.0

规格书

额定电压	12V
容量(25°C)	6.00Ah 20hr Rate (1.80V/cell)
	5.66Ah 10hr Rate (1.80V/cell)
	5.14Ah 5hr Rate (1.75V/cell)
	4.68Ah 3hr Rate (1.70V/cell)
	3.75Ah 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	1.8A (0.3C)
最大放电电流 (5S)	87A
电阻	25mΩ
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	11.6	8.5	7.0	6.1	4.8	3.6	3.00	1.80	1.39	1.14	0.94	0.82	0.66	0.547	0.297
1.80V/cell	14.9	10.5	8.3	7.1	5.5	4.1	3.30	1.94	1.48	1.20	1.00	0.87	0.69	0.566	0.300
1.75V/cell	17.2	11.7	9.1	7.6	5.8	4.3	3.46	2.02	1.52	1.23	1.03	0.89	0.70	0.579	0.304
1.70V/cell	19.1	12.8	9.8	8.1	6.0	4.4	3.59	2.08	1.56	1.27	1.05	0.91	0.71	0.590	0.309
1.67V/cell	21.1	13.9	10.4	8.6	6.3	4.6	3.70	2.13	1.62	1.31	1.08	0.93	0.72	0.600	0.313
1.60V/cell	22.8	14.8	11.0	9.0	6.6	4.7	3.75	2.20	1.66	1.34	1.11	0.95	0.74	0.608	0.315

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	21.4	15.9	13.3	11.6	9.2	7.0	5.84	3.52	2.73	2.24	1.87	1.62	1.31	1.093	0.594
1.80V/cell	27.4	19.5	15.6	13.2	10.4	7.8	6.39	3.77	2.89	2.36	1.97	1.71	1.37	1.124	0.598
1.75V/cell	31.0	21.4	16.9	14.2	10.9	8.2	6.67	3.91	2.95	2.41	2.01	1.74	1.39	1.150	0.602
1.70V/cell	33.9	23.0	17.9	15.0	11.3	8.4	6.88	4.02	3.03	2.47	2.06	1.78	1.41	1.165	0.612
1.67V/cell	36.8	24.6	18.8	15.7	11.8	8.6	7.04	4.08	3.13	2.53	2.10	1.81	1.42	1.180	0.618
1.60V/cell	38.9	25.7	19.6	16.3	12.1	8.9	7.10	4.21	3.20	2.59	2.15	1.84	1.44	1.191	0.620