

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



Industry Battery-General Purpose AGM Battery-TN Series

TN12-17

(12V 17Ah)

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

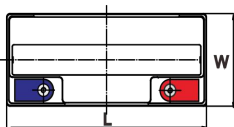
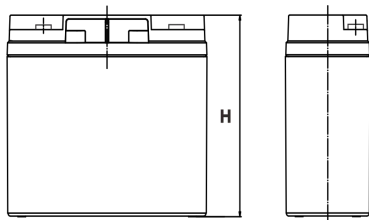
Unit:mm

Length 182±2mm / 7.17inch

Width 77±2mm / 3.03inch

Container Height 170±3mm / 6.69inch

Total Height 170±3mm / 6.69inch



Terminal

Unit:mm

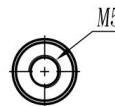
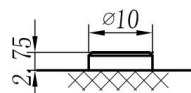
Terminal Type: I10

Weight

5kg

11.02lbs

I10



This document is subject to change without prior notification

Motive Battery

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TN12-17

Specification

Nominal Voltage	12V	
	17Ah	20hr Rate (1.80V/cell)
	16Ah	10hr Rate (1.80V/cell)
Rated Capacity(25°C)	15Ah	5hr Rate (1.75V/cell)
	14Ah	3hr Rate (1.70V/cell)
	11Ah	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	5.1A (0.3C)	
Max. Discharge Current (5S)	232.5A	
Internal Resistance	17mΩ	
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	32.4	24.8	20.6	17.8	13.7	10.3	8.67	5.13	4.01	3.27	2.66	2.30	1.85	1.526	0.839
1.80V/cell	43.4	31.8	25.0	21.1	16.2	12.0	9.72	5.60	4.32	3.48	2.85	2.46	1.97	1.583	0.850
1.75V/cell	49.0	34.9	27.2	22.7	16.9	12.4	10.17	5.81	4.40	3.56	2.93	2.53	2.00	1.617	0.862
1.70V/cell	54.0	38.1	29.0	23.8	17.6	12.9	10.49	5.96	4.52	3.66	3.00	2.59	2.03	1.651	0.873
1.67V/cell	59.5	41.1	30.8	25.3	18.5	13.2	10.73	6.04	4.71	3.78	3.09	2.64	2.06	1.684	0.885
1.60V/cell	65.7	44.6	33.0	27.0	19.6	13.8	10.83	6.30	4.85	3.90	3.20	2.70	2.08	1.707	0.896

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	59.2	45.9	38.4	33.6	26.3	19.5	16.56	9.82	7.71	6.29	5.15	4.48	3.63	3.039	1.667
1.80V/cell	78.7	58.1	45.8	39.1	30.5	22.6	18.37	10.65	8.26	6.68	5.50	4.79	3.83	3.130	1.679
1.75V/cell	86.8	62.7	49.4	41.7	31.4	23.1	19.17	11.00	8.37	6.80	5.63	4.90	3.89	3.210	1.701
1.70V/cell	92.9	66.8	52.1	43.4	32.5	23.9	19.73	11.25	8.60	6.97	5.76	4.99	3.95	3.266	1.724
1.67V/cell	101.1	71.5	54.9	45.8	34.0	24.4	19.96	11.34	8.93	7.19	5.90	5.09	3.99	3.334	1.747
1.60V/cell	108.9	75.9	57.7	48.3	35.6	25.3	20.07	11.79	9.15	7.39	6.07	5.18	4.03	3.357	1.758

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

TN12-17

(12V 17Ah)

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）



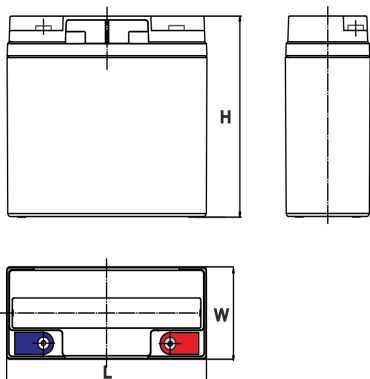
产品应用

- ◆ 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	182±2mm
宽	77±2mm
高	170±3mm
总高	170±3mm



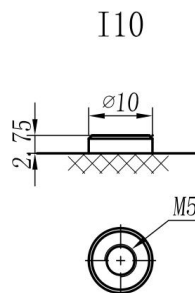
端子类型

单位:mm

端子类型 I10

重量

5kg 11.02lbs



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



TN12-17

规格书

额定电压	12V	
容量(25°C)	17Ah	20hr Rate (1.80V/cell)
	16Ah	10hr Rate (1.80V/cell)
	15Ah	5hr Rate (1.75V/cell)
	14Ah	3hr Rate (1.70V/cell)
	11Ah	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	5.1A (0.3C)	
最大放电电流 (5S)	232.5A	
电阻	17mΩ	
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	32.4	24.8	20.6	17.8	13.7	10.3	8.67	5.13	4.01	3.27	2.66	2.30	1.85	1.526	0.839
1.80V/cell	43.4	31.8	25.0	21.1	16.2	12.0	9.72	5.60	4.32	3.48	2.85	2.46	1.97	1.583	0.850
1.75V/cell	49.0	34.9	27.2	22.7	16.9	12.4	10.17	5.81	4.40	3.56	2.93	2.53	2.00	1.617	0.862
1.70V/cell	54.0	38.1	29.0	23.8	17.6	12.9	10.49	5.96	4.52	3.66	3.00	2.59	2.03	1.651	0.873
1.67V/cell	59.5	41.1	30.8	25.3	18.5	13.2	10.73	6.04	4.71	3.78	3.09	2.64	2.06	1.684	0.885
1.60V/cell	65.7	44.6	33.0	27.0	19.6	13.8	10.83	6.30	4.85	3.90	3.20	2.70	2.08	1.707	0.896

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	59.2	45.9	38.4	33.6	26.3	19.5	16.56	9.82	7.71	6.29	5.15	4.48	3.63	3.039	1.667
1.80V/cell	78.7	58.1	45.8	39.1	30.5	22.6	18.37	10.65	8.26	6.68	5.50	4.79	3.83	3.130	1.679
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1.67V/cell	101.1	71.5	54.9	45.8	34.0	24.4	19.96	11.34	8.93	7.19	5.90	5.09	3.99	3.334	1.747
1.60V/cell	108.9	75.9	57.7	48.3	35.6	25.3	20.07	11.79	9.15	7.39	6.07	5.18	4.03	3.357	1.758