

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



Energy Storage Battery-AGM-GEL Technology-TNG Series

TNG12-26

(12V 26Ah)

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
- ◆ Special paste formula: additives for deep discharge, long cycle life
- ◆ High quality AGM separator: extend cycle life and prevent micro short circuit
- ◆ The patent Nano silica electrolytes, extend cycle life and improve the deep discharge performance
- ◆ ABS container: increase the strength of battery (Flame-retardant ABS UL94-V0 is optional)



Application

- ◆ Renewable energy system
- ◆ Hybrid solar power system
- ◆ Uninterrupted Power Supply (UPS)
- ◆ Communications and electric equipment
- ◆ Emergency lighting equipment
- ◆ Fire alarm and security systems
- ◆ Control and other automation equipment
- ◆ Emergency power supply (EPS)
- ◆ Various power toy and hobby equipment
- ◆ Lighting equipment

Dimension

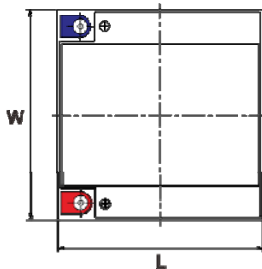
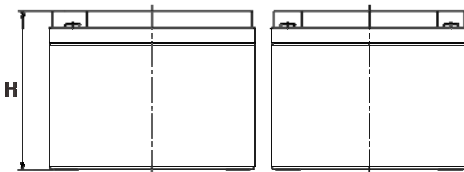
Unit:mm

Length 166±2mm / 6.54inch

Width 175±2mm / 6.89inch

Container Height 125±3mm / 4.92inch

Total Height 125±3mm / 4.92inch



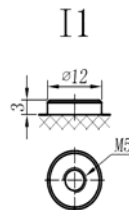
Terminal

Unit:mm

Terminal Type: I1

Weight

8.5kg 18.74lbs



This document is subject to change without prior notification

Motive Battery Energy Storage Battery Reserve Battery Motorcycle Battery

TNG12-26

Specificaion

Nominal Voltage	12V	
	26Ah	20hr Rate(1.80V/cell)
	25Ah	10hr Rate(1.80V/cell)
Rated Capacity(25°C)	21Ah	5hr Rate(1.75V/cell)
	19Ah	3hr Rate(1.70V/cell)
	15Ah	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 Voltage	Float Voltage	2.25 -2.30V/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	7.8A (0.3C)	
Max. Discharge Current (5S)	320A	
Internal Resistance	13.5mΩ	
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	55.8	35.3	27.0	22.6	17.3	13.3	11.00	7.09	5.44	4.47	3.85	3.42	2.80	2.35	1.28
1.80V/cell	61.9	39.0	30.7	25.8	19.8	14.9	12.20	7.57	5.81	4.73	4.06	3.58	2.93	2.46	1.30
1.75V/cell	66.8	42.7	33.6	28.5	21.6	16.1	13.10	8.19	6.20	5.03	4.27	3.72	3.02	2.52	1.33
1.70V/cell	70.2	45.7	35.9	30.4	22.9	16.9	13.80	8.52	6.42	5.18	4.39	3.81	3.08	2.55	1.35
1.65V/cell	75.8	48.0	38.0	32.1	24.3	17.6	14.30	8.84	6.54	5.29	4.49	3.90	3.13	2.59	1.38
1.60V/cell	83.6	51.6	41.2	35.2	25.6	18.7	15.10	9.10	6.84	5.50	4.63	4.01	3.21	2.65	1.40

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	109.9	66.8	51.9	43.9	34.0	26.5	21.90	14.20	11.00	9.08	7.85	6.99	5.74	4.82	2.63
1.80V/cell	115.1	73.6	58.7	49.9	38.8	29.4	24.30	15.20	11.70	9.57	8.25	7.29	6.00	5.03	2.67
1.75V/cell	123.9	80.4	64.0	54.8	42.2	31.7	26.00	16.40	12.40	10.20	8.66	7.56	6.17	5.16	2.72
1.70V/cell	130.0	85.8	68.1	58.4	44.7	33.3	27.20	17.00	12.90	10.40	8.88	7.72	6.26	5.19	2.76
1.65V/cell	140.0	89.8	71.9	61.5	47.2	34.6	28.20	17.60	13.10	10.60	9.05	7.87	6.34	5.25	2.80
1.60V/cell	153.7	96.1	77.6	67.0	49.5	36.6	29.70	18.00	13.60	11.00	9.29	8.08	6.49	5.35	2.85

动力电池

储能电池

备用电池

摩托车电池



储能电池-AGM-凝胶技术-TNG系列

TNG12-26

(12V 26Ah)

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
- ◆ 特制组成配方，添加特殊试剂，增进深放电性能，延长循环寿命
- ◆ 高质量AGM隔板：防止微短路，延长循环寿命
- ◆ 纳米硅胶专利电解质，延长循环寿命，增进深放电性能
- ◆ ABS壳盖：电池外壳强度高（阻燃壳体UL94-V0可选）



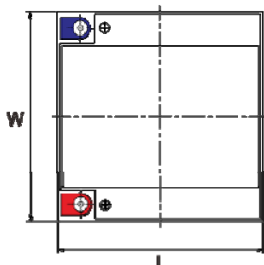
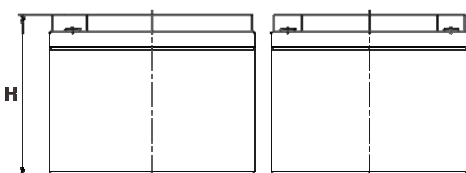
产品应用

- ◆ 可再生能源系统
- ◆ 太阳能混合动力系统
- ◆ 不间断电源 (UPS)
- ◆ 通信及电力设备
- ◆ 应急照明系统
- ◆ 安防及火灾报警系统
- ◆ 机械自动化控制设备
- ◆ 应急电源 (EPS)
- ◆ 各式电动玩具及娱乐设施
- ◆ 照明设备

尺寸

单个尺寸

长	166±2mm
宽	175±2mm
高	125±3mm
总高	125±3mm



端子类型

单位:mm

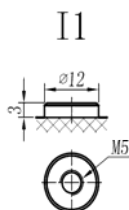
端子类型

I1

重量

8.5kg

18.74lbs



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

TNG12-26

规格书

额定电压	12V	
容量(25°C)	26Ah	20hr Rate(1.80V/cell)
	25Ah	10hr Rate(1.80V/cell)
	21Ah	5hr Rate(1.75V/cell)
	19Ah	3hr Rate(1.70V/cell)
	15Ah	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%
充电电压	浮充	2.25 -2.30V/单格@25°C, 温度补偿系数: -3mV/单格/°C
	均充	2.35 -2.40V/单格@25°C, 温度补偿系数: -3mV/单格/°C
	循环使用	2.40 -2.50V/单格@25°C, 温度补偿系数: -5mV/单格/°C
最大充电电流	7.8A (0.3C)	
最大放电电流(5S)	320A	
电阻	13.5mΩ	
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	55.8	35.3	27.0	22.6	17.3	13.3	11.00	7.09	5.44	4.47	3.85	3.42	2.80	2.35	1.280
1.80V/cell	61.9	39.0	30.7	25.8	19.8	14.9	12.20	7.57	5.81	4.73	4.06	3.58	2.93	2.46	1.300
1.75V/cell	66.8	42.7	33.6	28.5	21.6	16.1	13.10	8.19	6.20	5.03	4.27	3.72	3.02	2.52	1.330
1.70V/cell	70.2	45.7	35.9	30.4	22.9	16.9	13.80	8.52	6.42	5.18	4.39	3.81	3.08	2.55	1.350
1.65V/cell	75.8	48.0	38.0	32.1	24.3	17.6	14.30	8.84	6.54	5.29	4.49	3.90	3.13	2.59	1.380
1.60V/cell	83.6	51.6	41.2	35.2	25.6	18.7	15.10	9.10	6.84	5.50	4.63	4.01	3.21	2.65	1.400

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	109.9	66.8	51.9	43.9	34.0	26.5	21.90	14.20	11.00	9.08	7.85	6.99	5.74	4.82	2.630
1.80V/cell	115.1	73.6	58.7	49.9	38.8	29.4	24.30	15.20	11.70	9.57	8.25	7.29	6.00	5.03	2.670
1.75V/cell	123.9	80.4	64.0	54.8	42.2	31.7	26.00	16.40	12.40	10.20	8.66	7.56	6.17	5.16	2.720
1.70V/cell	130.0	85.8	68.1	58.4	44.7	33.3	27.20	17.00	12.90	10.40	8.88	7.72	6.26	5.19	2.760
1.65V/cell	140.0	89.8	71.9	61.5	47.2	34.6	28.20	17.60	13.10	10.60	9.05	7.87	6.34	5.25	2.800
1.60V/cell	153.7	96.1	77.6	67.0	49.5	36.6	29.70	18.00	13.60	11.00	9.29	8.08	6.49	5.35	2.850