

Motive Battery

Energy Storage Battery

Reserve Battery

Motorcycle Battery



Maintenance Free-High Rate UPS Battery-TNX Series

TNX12-240W

(12V 240W, 15min@1.67Vpc)

(12V 75Ah, C10 @1.80Vpc)

GENERAL FEATURES

- Oxygen recombination technology: maintenance-free, no need to add water or acid during application
- Optimized plate design to increase power output at 15min backup time, high performance in high-rate discharge
- Wide operating temperature range from -20°C to 55°C, excellent deep discharge recovery capability
- New structure for plate grid, good corrosion resistance and greatly reduced resistance of the battery,
- 12 years design life @25°C, low self-discharge rate



Application

- UPS (High Rate)
- Communication Equipments
- Security systems
- Data & Network centers
- Emergency power supply (EPS)
- Bank and financial system
- Hospitals & Testing laboratories

Dimension

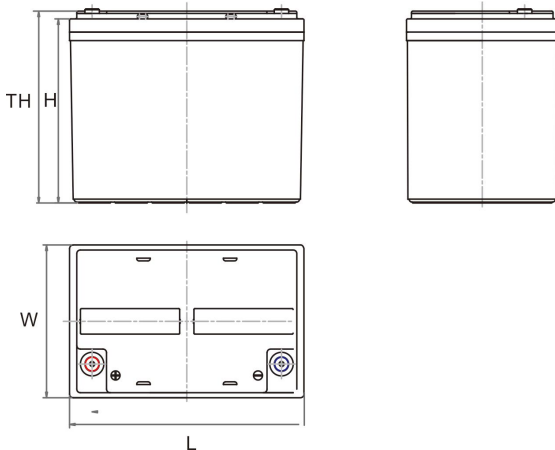
Unit:mm

Length 260±2mm / 10.24inch

Width 168±2mm / 6.61inch

Container Height 211±3mm / 8.31inch

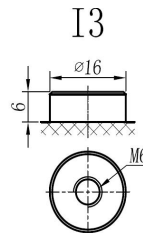
Total Height 213.5±3mm / 8.41inch



Terminal

Unit:mm

Terminal Type: I3



Weight

22.3kg 49.16lbs



This document is subject to change without prior notification

- Motive Battery Energy Storage Battery
 Reserve Battery Motorcycle Battery



TNX12-240W

Specification

Nominal Voltage	12V	
Rated Power (15min Rate 25°C)	240W F.V (1.67V/cell)	
Rated Capacity (10HR 25°C)	75Ah (1.80V/cell)	
Dimension	Length	260±2mm / 10.24inch
	Width	168±2mm / 6.61inch
	Container Height	211±3mm / 8.31inch
	Total Height	213.5±3mm / 8.41inch
Weight	22.3kg / 49.16lbs	
Terminal	I3	
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	2.25 -2.27V/cell@25°C, Tem.Coefficient : -3mV/cell/°C
	Equalize Voltage	2.40 -2.50V/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	22.5A (0.3C)	
Max. Discharge Current (5S)	864A	
Internal Resistance	6.6mΩ	
Self-Discharge	<3%, TNX 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	127.6	109.0	92.3	78.7	60.9	46.2	37.42	23.60	17.98	14.71	12.60	11.01	8.89	7.395	3.927
1.80V/cell	167.6	132.9	107.5	89.6	67.1	49.9	40.59	24.91	18.88	15.46	13.18	11.49	9.21	7.500	3.900
1.75V/cell	186.7	144.4	116.7	95.9	71.3	52.6	42.33	25.82	19.49	15.86	13.49	11.72	9.38	7.575	3.967
1.70V/cell	202.8	154.5	124.3	101.1	75.1	55.2	43.96	26.55	19.92	16.23	13.73	11.95	9.50	7.650	4.005
1.67V/cell	224.1	168.3	133.1	108.0	78.7	57.4	45.50	27.32	20.49	16.61	13.99	12.16	9.62	7.747	4.046
1.60V/cell	236.3	177.5	140.1	112.6	81.8	59.6	47.57	28.16	21.12	17.01	14.27	12.39	9.73	7.837	4.087

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	237.0	204.5	174.8	150.3	117.0	89.3	72.62	46.05	35.22	28.92	24.84	21.76	17.62	14.690	7.817
1.80V/cell	308.6	247.5	202.4	170.0	128.4	95.9	78.54	48.44	36.85	30.28	25.88	22.63	18.20	15.162	7.900
1.75V/cell	340.6	267.0	218.3	181.2	135.8	101.0	81.70	50.07	37.91	30.96	26.41	23.00	18.45	15.260	8.005
1.70V/cell	364.5	281.9	229.8	189.0	141.7	105.0	84.15	51.07	38.46	31.42	26.65	23.26	18.54	15.280	8.016
1.67V/cell	396.4	302.3	240.1	199.3	147.0	108.1	86.29	52.07	39.23	31.93	26.97	23.49	18.63	15.365	8.037
1.60V/cell	408.0	312.0	250.2	203.9	149.9	110.3	88.84	52.89	39.86	32.23	27.12	23.63	18.60	15.337	8.011

动力电池

储能电池

备用电池

摩托车电池



阀控免维护-高功率UPS电池-TNX系列

TNX12-240W

(12V 240W, 15min@1.67Vpc)

(12V 75Ah, C10 @1.80Vpc)

产品特点：

- 氧复合技术: 阀控式免维护, 使用期间无需加水或加酸
- 极板优化处理, 提升15分钟放电性能, 高倍率放电性能优异
- 在-20°C到55°C温度区间内均可正常使用, 深放电恢复能力出色
- 隔板特色设计, 抗腐蚀性能佳, 同时大幅度降低电池内阻
- 12年设计寿命(25°C), 自放电率低



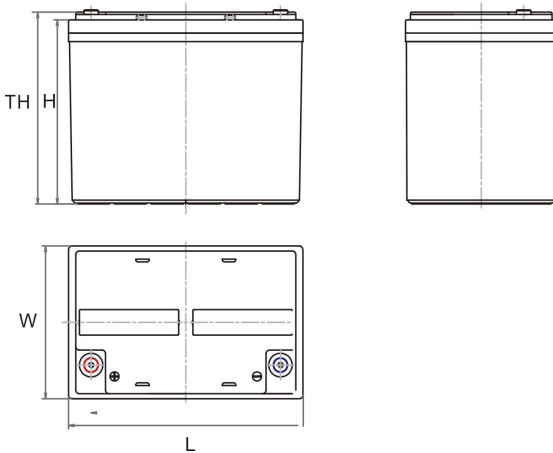
产品应用

- 不间断电源(高功率)
- 通讯设备
- 安全系统
- 数据网络中心
- 应急电源系统
- 银行资金系统
- 医疗测试设备

尺寸

单个尺寸

长 260±2mm / 10.24inch
 宽 168±2mm / 6.61inch
 高 211±3mm / 8.31inch
 总高 213.5±3mm / 8.41inch



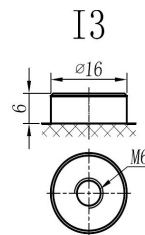
端子类型

单位:mm

端子类型 I3

重量

22.3kg 49.16lbs



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

TNX12-240W

规格书

额定电压	12V	
15分钟放电功率	240W F.V (1.67V/cell)	
额定容量 (10小时)	75Ah (1.80V/cell)	
尺寸	长	260±2mm
	宽	168±2mm
	高	211±3mm
	总高	213.5±3mm
重量	22.3kg	
端子	I3	
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	2.25 -2.27V/单格@25°C, 温度补偿系数: -3mV/单格/°C
	均充电压	2.40 -2.50V/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	22.5A (0.3C)	
最大放电电流 (5S)	864A	
电阻	6.6mΩ	
自放电	<3%, TNX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	127.6	109.0	92.3	78.7	60.9	46.2	37.42	23.60	17.98	14.71	12.60	11.01	8.89	7.395	3.927
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1.60V/cell	236.3	177.5	140.1	112.6	81.8	59.6	47.57	28.16	21.12	17.01	14.27	12.39	9.73	7.837	4.087

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	237.0	204.5	174.8	150.3	117.0	89.3	72.62	46.05	35.22	28.92	24.84	21.76	17.62	14.690	7.817
1.80V/cell	308.6	247.5	202.4	170.0	128.4	95.9	78.54	48.44	36.85	30.28	25.88	22.63	18.20	15.162	7.900
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1.60V/cell	408.0	312.0	250.2	203.9	149.9	110.3	88.84	52.89	39.86	32.23	27.12	23.63	18.60	15.337	8.011