



前置端子系列(Front Terminal)

FT12-100(12V100Ah)

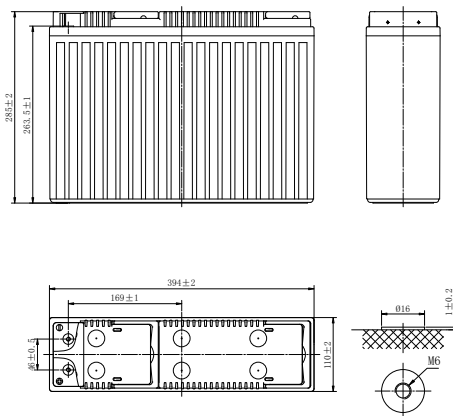


规格 Specifications

额定电压 Rated Voltage		12V	
标称容量 Nominal Capacity(C ₁₀ , 1.80V/cell)		100Ah	
尺寸 Dimension	长 Length	394±2mm (15.5 inches)	
	宽 Width	110±2mm (4.33 inches)	
	高 Container Height	285±2mm (11.2 inches)	
	总高(含端子) Total Height	285±2mm (11.2 inches)	
重量 Approx Weight		30.5kg (67.2 lbs)	
端子 Terminal		M6	
外壳材料 Container Material		ABS	
额定容量 Rated Capacity(25°C)	105.4 Ah	C20(5.27A, 1.80V/cell)	
	100.0 Ah	C10(10.0A, 1.80V/cell)	
	96.8 Ah	C5(12.1A, 1.75V/cell)	
	86.5 Ah	C3(17.3A, 1.75V/cell)	
	66.4 Ah	C1(66.4A, 1.60V/cell)	
5S最大放电电流 Max. Discharge Current		1000A (5s)	
内阻 Internal Resistance(25°C)		Approx 5.5mΩ	
运行温度 Operating Temp. Range	放电 Discharge	-15 ~ 50°C (5 ~ 122°F)	
	充电 Charge	-20 ~ 40°C (-4 ~ 104°F)	
	存储 Storage	-15 ~ 40°C (5 ~ 104°F)	
推荐温度 Nominal Operating Temp. Range		25±5°C (77±5°F)	
最大充电电流 Max.Charging Current(25°C)		30A	
充电电压 Charge voltage(25°C)	浮充 Float	2.25±0.02V/cell	温度补偿 Temp. Coefficient
	均充 Equalization	2.35~2.40V/cell	-3mV / 单格/°C
	循环 Cycle	2.45±0.05V/cell	-4mV / 单格/°C
	40°C (104°F)		-5mV / 单格/°C
温度对容量影响 Effect of temp. to Capacity	25°C (77°F)		106%
	0°C (32°F)		100%
			86%
自放电 Self Discharge		≤3%/月 @ 25°C	



外形 Layout



恒流放电表(A)25°C Constant Current Discharge

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	151.7	128.1	117.9	82.7	74.2	52.2	31.3	23.6	18.8	15.7	13.5	11.1	9.32	4.91
1.80V/cell	172.3	149.0	129.0	93.6	78.6	57.7	34.1	25.6	20.3	16.9	14.3	11.9	10.0	5.27
1.75V/cell	189.8	157.6	137.1	97.8	81.6	59.9	35.1	26.2	20.8	17.3	14.4	12.1	10.1	5.29
1.70V/cell	204.3	166.6	144.4	102.1	83.9	62.1	36.2	27.0	21.3	17.7	14.7	12.3	10.2	5.38
1.67V/cell	213.3	171.8	149.4	104.7	85.7	63.4	36.8	27.4	21.6	17.9	14.8	12.4	10.4	5.48
1.60V/cell	221.8	184.1	153.2	110.6	87.0	66.4	38.4	28.4	22.3	18.5	14.9	12.7	10.6	5.58

恒功率放电表(W/cell) 25°C Constant Power Discharge

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	288.9	246.1	228.0	159.9	145.6	101.4	61.2	46.3	37.0	31.0	27.2	21.9	18.4	9.89
1.80V/cell	325.8	283.2	248.0	179.3	153.4	111.5	66.3	49.9	39.7	33.2	28.5	23.4	19.6	10.4
1.75V/cell	356.2	296.5	262.2	185.8	158.8	114.8	67.9	51.0	40.6	33.9	28.8	23.8	19.8	10.5
1.70V/cell	378.6	309.8	273.3	192.2	162.0	118.2	69.7	52.3	41.4	34.6	29.2	24.2	20.1	10.7
1.67V/cell	389.0	317.8	279.2	196.0	163.9	120.0	70.6	52.9	41.9	34.9	29.5	24.4	20.3	10.7
1.60V/cell	396.0	334.3	282.3	204.5	164.7	124.7	73.0	54.5	43.1	35.8	29.8	24.9	20.6	10.9



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应用 Applications

- 电源系统
Power system
- UPS
- 通信系统网络连接设备
Network connection equipment
of communication system
- 局域网专用电网系统
Power system of special network
of local area network
- 电站系统
Power station systems

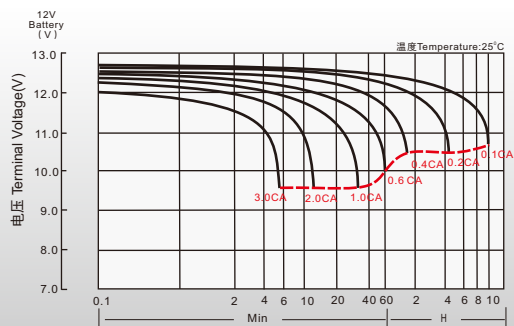
特征 General Features

- 适用于19英寸或23英寸电源柜
Specifically ideal for 19 inches
or 23 inches power cabinets
- 前置端子使电池安装、维护和监控简便
Front terminals make the installation,
maintenance and supervision easy
- 屏蔽设计保护端子避免短路, 且外形美观
Shield designs protect terminals from
short circuit and show good appearance
- 独特的安全阀设计: 减少失水, 防止空气
/火花进入
Unique vent valve design: reduce water
losing and prevent air/spark going inside

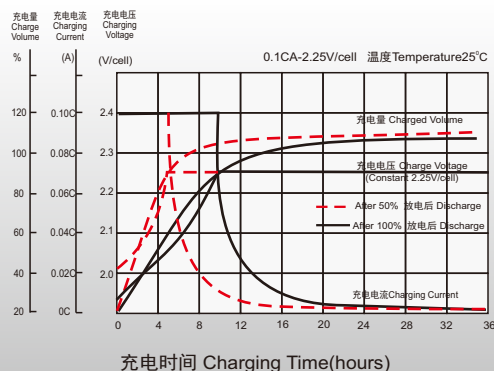
标准 Standards

- 符合IEC 60896, YD/T 2343标准
Compliance with IEC 60896 and
YD/T 2343 standards
- UL 认证, 泰尔认证, CE 认证
UL Certified, TLC Certified, CE Certified
- 企业通过了IATF16949, ISO 45001,
ISO 9001和ISO 14001体系认证
Manufactured in Leoch® IATF 16949,
ISO 45001, ISO 9001 and ISO 14001
certified production facilities

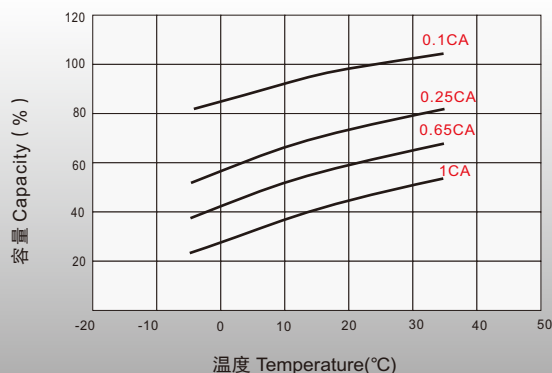
放电特性曲线 Discharge Characteristics



浮充特性曲线 Float Charging Characteristics



温度对容量影响 Temperature Effects in Relation to Battery Capacity



温度对浮充寿命影响 Temperature Effects on Long Term Float Life

