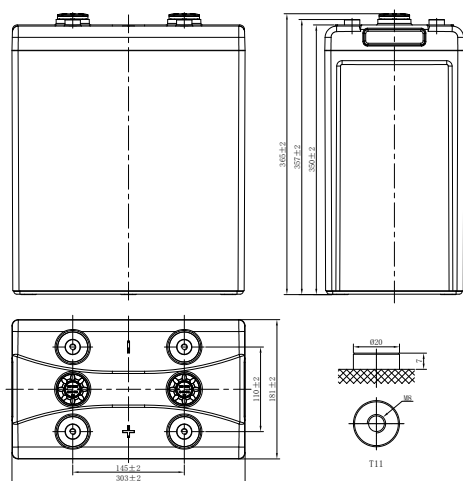


LPL SERIES-LONG LIFE STANDBY

LPL2-800M (2V800Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	800Ah
Dimension	Length	303mm (11.9inches)
	Width	181mm (7.13inches)
	Container Height	350mm (13.8inches)
	Total Height	365mm (14.4inches)
Approx Weight	44.5kg (98.1lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	8800A	
Internal Resistance (25°C)	Approx 0.4 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Float Charge	Equalization Charge
	2.25-2.30V/cell	2.35-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤3% per month at 25°C (77°F). LPL series batteries may be stored up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)												
F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	521.0	406.8	349.7	321.4	244.3	187.2	150.6	127.1	110.3	89.7	75.0	40.2
1.80V/cell	573.7	469.7	417.7	331.3	259.1	202.6	162.3	136.9	118.3	96.0	80.0	42.4
1.75V/cell	665.4	520.5	448.1	347.2	271.0	208.0	166.4	140.0	120.8	97.7	81.2	42.9
1.70V/cell	718.1	555.0	473.4	361.0	278.0	214.1	170.6	143.2	123.4	99.5	82.5	43.5
1.67V/cell	738.9	566.8	480.8	363.0	279.0	217.3	173.0	145.0	124.9	100.5	83.2	43.8
1.60V/cell	755.9	585.7	500.6	366.5	292.6	225.3	178.7	149.4	128.4	102.9	85.0	44.6
Constant Power Discharge (Watts/cell) at 25°C (77°F)												
F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	992.2	864.7	801.0	635.1	476.1	367.1	296.0	250.2	217.5	177.2	148.4	79.9
1.80V/cell	1066.4	916.8	842.0	648.8	500.5	395.6	317.9	268.7	232.7	189.3	158.1	84.2
1.75V/cell	1222.5	997.5	885.0	674.2	520.0	404.4	324.6	273.9	236.9	192.4	160.3	85.2
1.70V/cell	1300.5	1032.8	898.9	687.5	528.8	414.3	331.6	279.9	241.4	195.4	162.5	86.2
1.67V/cell	1322.6	1047.0	909.2	691.3	538.8	419.4	335.4	282.2	243.9	197.1	163.8	86.8
1.60V/cell	1397.7	1092.2	939.4	693.5	557.8	432.3	344.8	289.6	249.7	201.2	166.8	88.3

LPL SERIES-LONG LIFE STANDBY

LPL2-800M (2V800Ah)



APPLICATIONS

- Tele-communication central station (wired or cellular)
- Power system communication, military communication, etc.
- Network communication including: data transmission, television signal transmission, etc.
- Uninterruptable Power System (UPS- for Telecom)
- EPS

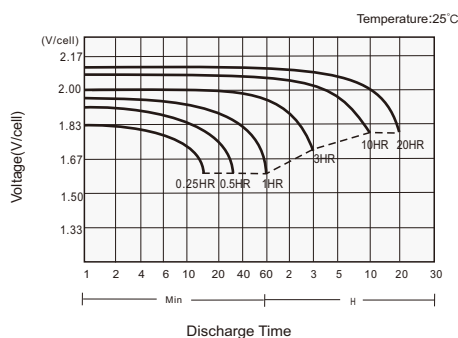
GENERAL FEATURES

- 16 years design life (25°C)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

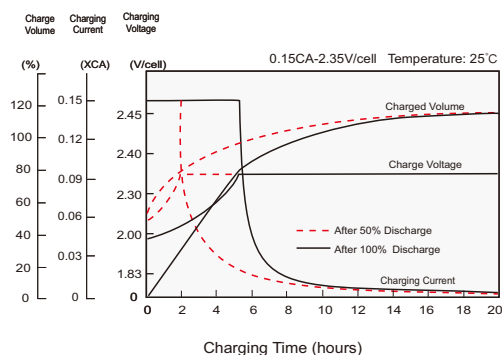
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved
- Manufactured in Leoch® IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

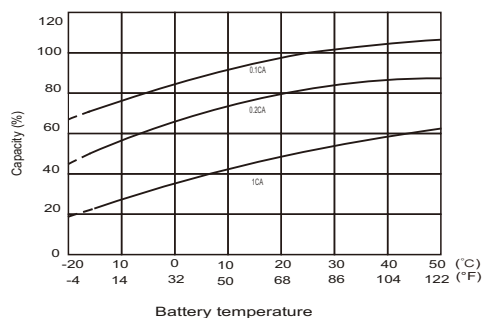
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

