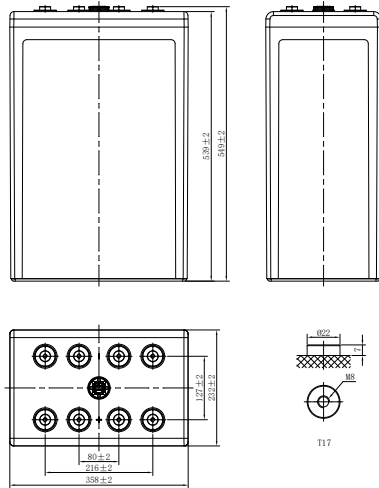


LPL SERIES-LONG LIFE STANDBY

LPL2-2000H (2V2000Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ : 1.80V/cell	2000Ah
Dimension	Length	358mm (14.1inches)
	Width	232mm (9.13inches)
	Container Height	539mm (21.2inches)
	Total Height	549mm (21.6inches)
Approx Weight	118.5kg (261.2lbs)	
Terminal	T17(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	16000A	
Internal Resistance (25°C)	Approx 0.2 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)	Standby Use	Cycle Use
	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%
	≤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.	
Self Discharge		

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	1212.7	958.8	870.5	665.0	538.7	409.9	347.0	292.8	254.2	206.6	172.7	92.6
1.80V/cell	1392.7	1069.6	1007.4	786.7	633.8	500.1	404.4	341.0	294.8	239.2	200.0	105.6
1.75V/cell	1457.2	1114.9	1101.8	813.2	653.2	507.8	414.5	348.8	300.9	243.5	202.4	107.0
1.70V/cell	1551.4	1146.3	1111.5	840.6	674.0	522.7	425.0	356.7	307.5	247.8	205.6	108.3
1.67V/cell	1594.2	1157.3	1120.7	855.8	685.3	530.5	430.9	361.2	311.1	250.4	207.4	109.1
1.60V/cell	1623.9	1182.0	1126.4	894.0	713.9	543.4	445.2	372.2	319.8	256.3	211.8	111.1
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	2248.3	1783.5	1632.1	1250.8	1015.7	779.3	668.3	564.9	491.2	400.0	335.0	180.4
1.80V/cell	2560.1	1974.7	1875.8	1471.1	1188.7	946.9	776.2	655.9	568.2	462.2	387.3	205.7
1.75V/cell	2655.5	2042.4	2025.9	1511.1	1218.3	957.4	792.6	668.8	578.5	469.6	391.3	208.1
1.70V/cell	2800.7	2083.0	2029.2	1552.8	1250.6	980.8	809.7	682.0	589.5	477.0	396.8	210.6
1.67V/cell	2850.0	2092.1	2036.1	1574.7	1267.0	992.8	818.9	689.0	595.4	481.3	399.8	212.0
1.60V/cell	2877.6	2113.8	2026.8	1631.2	1310.0	1010.9	841.9	707.0	609.6	491.2	407.3	215.6

LPL SERIES-LONG LIFE STANDBY

LPL2-2000H (2V2000Ah)



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

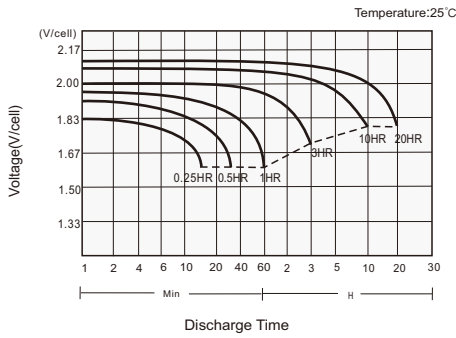
GENERAL FEATURES

- 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

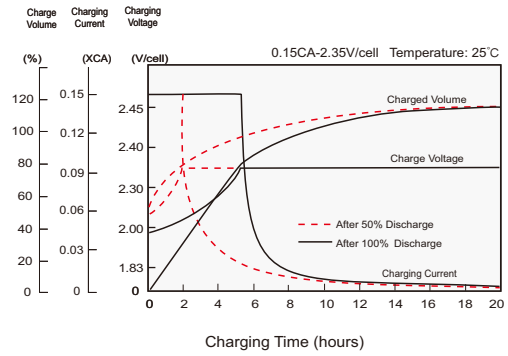
STANDARDS

- 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

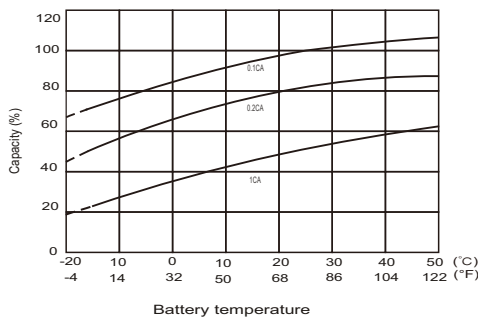
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

