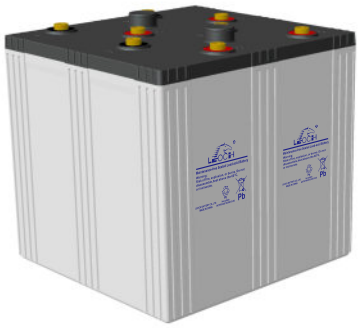
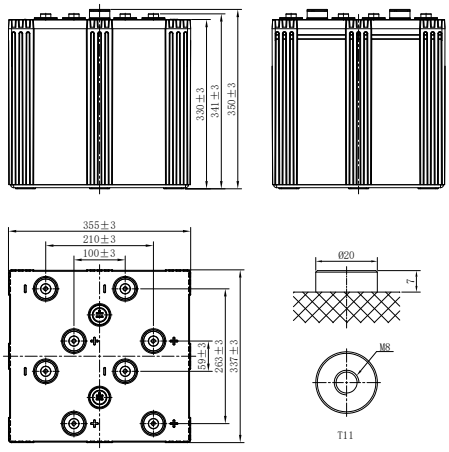
LPL SERIES-LONG LIFE STANDBY

LPL2-1500M (2V1500Ah)

LEOCH BATTERY





CHARACTERISTICS

Item		Specifications
Rated Voltage		2V
Nominal Capacity (25℃)	C_{10},1.80V/cell	1500Ah
Dimension	Length	355mm (14.0inches)
	Width	337mm (13.3inches)
	Container Height	330mm (13.0inches)
	Total Height	350mm (13.8inches)
Approx Weight		84.6kg (186.5lbs)
Terminal		T11(M8)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		13500A
Internal Resistance (25℃)		Approx 0.3 mΩ (Fully charged)
Operating Temp. Range	Discharge	-15~50℃ (5~122°F)
	Charge	-20~40℃ (-4~104°F)
	Storage	-15~40℃ (5~104°F)
Nominal Operating Temp. Range		25±3℃ (77±5°F)
Max.Charging Current (25℃)		0.3C
Charge voltage (25℃)	Float Charge	Equalization Charge
	2.25-2.30V/cell	2.35-2.40V/cell
Temp. Coeffcient	-3mV/cell/℃	-5mV/cell/℃
Effect of temp. to Capacity	40℃ (104°F)	103%
	25℃ (77°F)	100%
	0℃ (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	945.0	829.7	741.0	569.7	461.5	351.1	282.4	238.3	206.9	168.1	140.6	75.3
1.80V/cell	1085.3	908.1	815.6	623.3	502.1	376.4	304.4	256.7	221.9	180.0	150.0	79.5
1.75V/cell	1135.6	926.2	829.4	644.3	517.5	390.0	312.0	262.5	226.5	183.3	152.3	80.5
1.70V/cell	1208.9	979.7	862.1	666.0	534.0	401.4	319.9	268.5	231.4	186.5	154.7	81.5
1.67V/cell	1242.4	1032.4	893.0	678.0	542.9	407.4	324.3	271.8	234.2	188.5	156.1	82.1
1.60V/cell	1265.5	1077.5	925.8	708.3	565.6	422.4	335.1	280.1	240.7	192.9	159.4	83.6
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	1735.3	1608.8	1440.3	1110.7	901.9	688.4	555.0	469.1	407.9	332.2	278.2	149.8
1.80V/cell	1976.0	1748.0	1574.5	1208.3	976.4	734.9	596.1	503.8	436.4	354.9	296.4	157.9
1.75V/cell	2049.6	1769.1	1589.9	1241.4	1000.8	758.3	608.7	513.6	444.3	360.7	300.5	159.8
1.70V/cell	2161.7	1856.6	1641.3	1275.7	1027.4	776.8	621.8	523.8	452.7	366.3	304.7	161.7
1.67V/cell	2199.8	1946.7	1692.0	1293.8	1040.9	786.4	628.9	529.2	457.3	369.6	307.1	162.8
1.60V/cell	2221.1	2010.2	1737.6	1340.4	1076.3	810.5	646.6	543.0	468.2	377.2	312.8	165.6

LPL SERIES-LONG LIFE STANDBY

LPL2-1500M (2V1500Ah)

LEOCH BATTERY

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

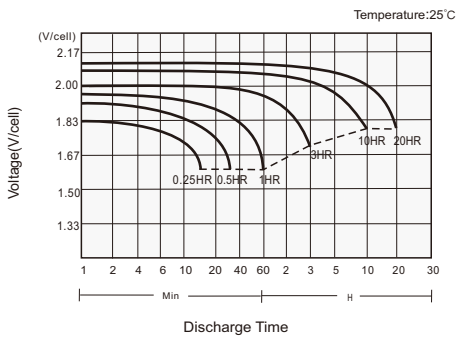
GENERAL FEATURES

- 16 years design life (25℃)
- 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

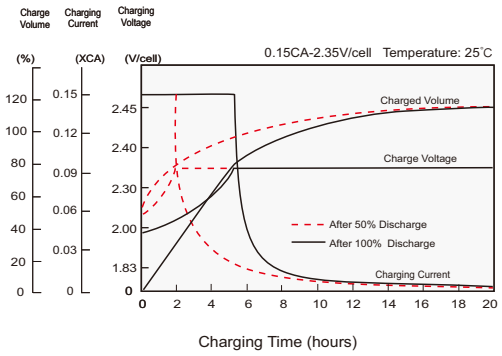
STANDARDS

- 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

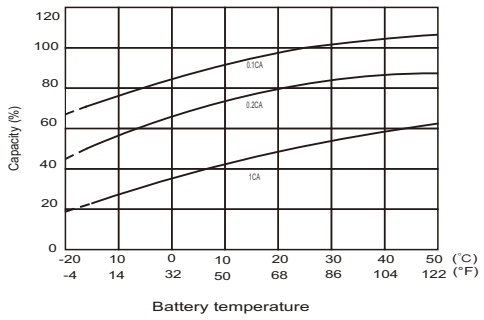
Discharge Characteristics



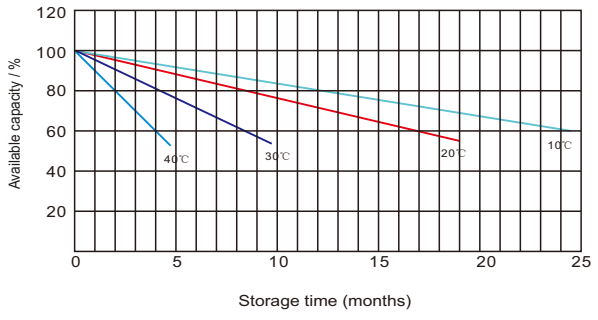
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



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