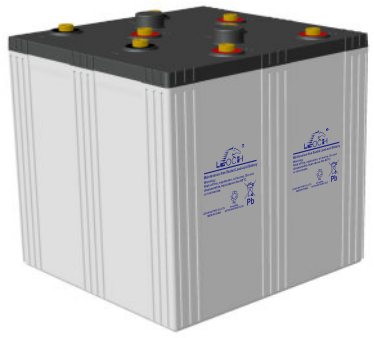
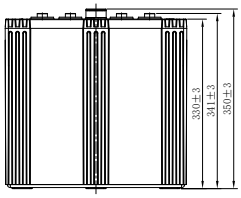
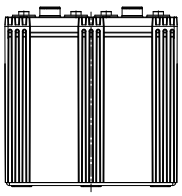
LPL SERIES-LONG LIFE STANDBY

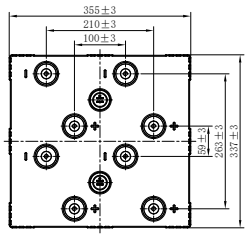
LPL2-1600M (2V1600Ah)

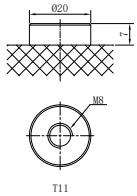
LEOCH BATTERY











CHARACTERISTICS

Item		Specifications
Rated Voltage		2V
Nominal Capacity (25℃)	C_{10},1.80V/cell	1600Ah
Dimension	Length	355mm (14.0inches)
	Width	337mm (13.3inches)
	Container Height	330mm (13.0inches)
	Total Height	350mm (13.8inches)
Approx Weight		86.4kg (190.5lbs)
Terminal		T11(M8)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		12800A
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	1142.2	903.1	790.4	607.7	492.3	374.5	301.2	254.2	220.7	179.3	149.9	80.4
1.80V/cell	1291.3	988.4	869.9	664.8	535.6	401.5	324.7	273.8	236.7	192.0	160.0	84.8
1.75V/cell	1317.6	1008.2	884.6	687.2	552.0	416.0	332.8	280.0	241.6	195.5	162.5	85.9
1.70V/cell	1402.8	1066.4	919.6	710.4	569.6	428.2	341.2	286.4	246.8	199.0	165.0	87.0
1.67V/cell	1451.1	1123.7	952.5	723.2	579.1	434.6	345.9	290.0	249.8	201.0	166.5	87.6
1.60V/cell	1542.4	1172.8	987.5	755.5	603.3	450.6	357.4	298.8	256.7	205.8	170.0	89.2

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	2207.5	1751.0	1536.3	1184.8	962.1	734.2	592.0	500.4	435.0	354.3	296.7	159.8
1.80V/cell	2474.9	1902.6	1679.5	1288.9	1041.5	783.9	635.9	537.3	465.5	378.6	316.1	168.5
1.75V/cell	2503.9	1925.6	1695.9	1324.1	1067.5	808.8	649.3	547.8	473.9	384.7	320.5	170.5
1.70V/cell	2641.4	2020.8	1750.7	1360.7	1095.9	828.6	663.3	558.7	482.9	390.7	325.0	172.5
1.67V/cell	2706.4	2118.8	1804.8	1380.0	1110.3	838.8	670.9	564.4	487.7	394.3	327.5	173.7
1.60V/cell	2851.9	2188.0	1853.5	1429.7	1148.1	864.6	689.7	579.2	499.4	402.4	333.6	176.6

LPL SERIES-LONG LIFE STANDBY

LPL2-1600M (2V1600Ah)

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

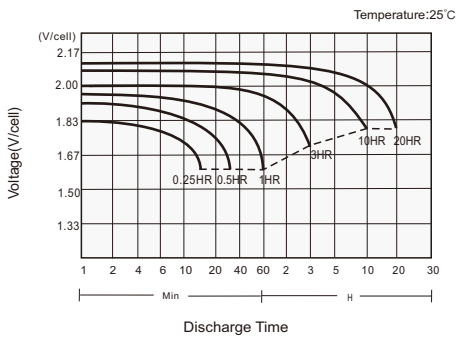
GENERAL FEATURES

- 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

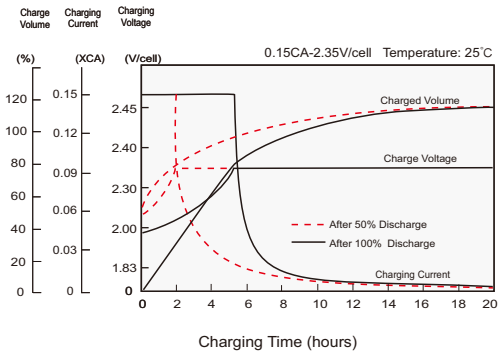
STANDARDS

- 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

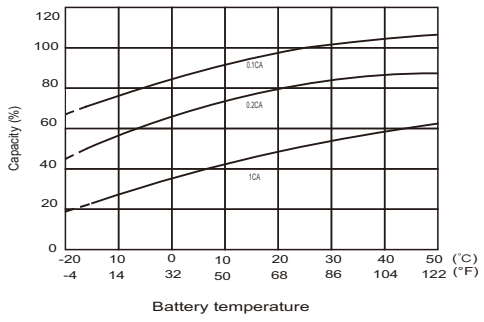
Discharge Characteristics



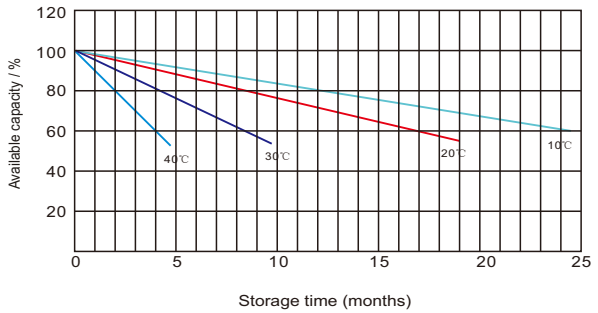
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



Leoch International Technology Ltd.
www.leoch.com

Leoch Batteries Pte Ltd
www.leoch.sg

Leoch Battery Corporation
www.leochamericas.com

Leoch Europe S.A.
www.leoch.eu

Data above is recommended and the picture is only for battery effect display, Leoch reserve the final right of explanation.
© LEOCH. All rights reserved.Trademarks and logos are the property of LEOCH and its affiliates unless otherwise noted.Subject to revisions without prior notice. E&OE.

Publication No.:LB-LPL2-1600M-PD-EN-V5.0-20260721