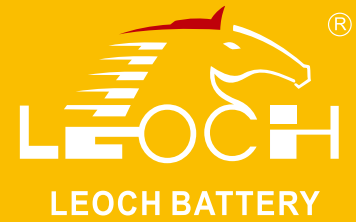
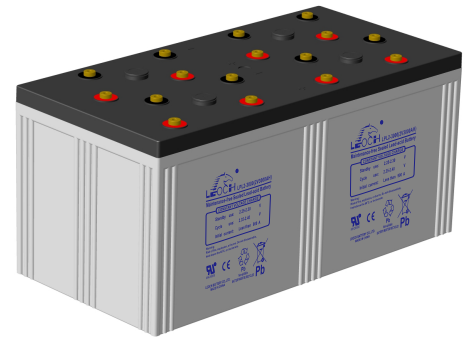




IEEE/UL Battery
Sizing by
MooreU
610-952-6067
www.mooreu.com



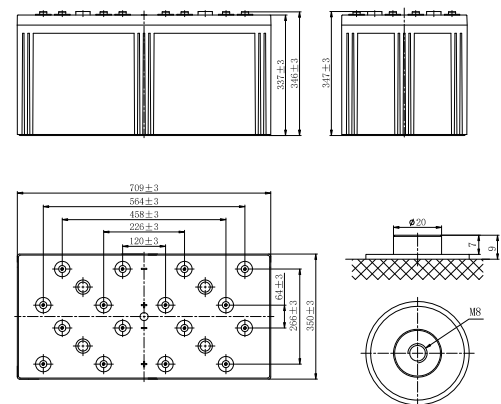
LPL Series-Long Life Standby LPL2-3000(2V3000Ah)



Specifications

Rated Voltage	2V	
Nominal Capacity	C ₁₀ , 1.80V/cell	3000Ah
Dimension	Length	709±3mm (27.9 inches)
	Width	350±3mm (13.8 inches)
	Container Height	337±3mm (13.3 inches)
	Total Height	347±3mm (13.7 inches)
Approx Weight	183.0kg (403.4 lbs)	
Terminal	M8	
Container Material	ABS	
Rated Capacity(25°C)	3180.0 Ah	C20(159.0A, 1.80V/cell)
	3000.0 Ah	C10(300.0A, 1.80V/cell)
	2625.0 Ah	C5(525.0A, 1.75V/cell)
	2340.0 Ah	C3(780.0A, 1.75V/cell)
Max. Discharge Current	24000A (5s)	
	Internal Resistance(25°C)	
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)	
Standby Use	Initial Charging Current less than 900A. Voltage	
	2.25V~2.30V at 25°C(77°F)Temp. Coefficient -3mV/°C	
Cycle Use	Initial Charging Current less than 900A. Voltage	
	2.35V~2.40V at 25°C(77°F)Temp. Coefficient -5mV/°C	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	LPL series batteries may be stored for 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.	

Layout



Constant Current Discharge (Amperes) at 25°C (77°F)

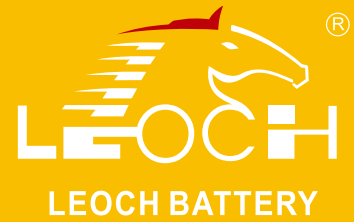
F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2098.8	1659.4	1481.9	1139.3	923.0	702.2	564.8	476.6	413.7	336.2	281.1	150.7
1.80V/cell	2372.9	1816.3	1631.1	1246.6	1004.2	752.7	608.8	513.3	443.8	360.0	300.0	159.0
1.75V/cell	2421.2	1852.5	1658.7	1288.5	1035.0	780.0	624.0	525.0	453.0	366.5	304.7	161.0
1.70V/cell	2577.6	1959.5	1724.2	1332.0	1068.0	802.8	639.7	537.0	462.8	373.1	309.4	163.1
1.67V/cell	2666.5	2064.9	1786.0	1356.1	1085.9	814.9	648.6	543.7	468.3	376.9	312.1	164.3
1.60V/cell	2834.2	2155.0	1851.6	1416.6	1131.1	844.9	670.2	560.3	481.4	385.9	318.8	167.2

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	4056.4	3217.5	2880.6	2221.5	1803.9	1376.7	1109.9	938.2	815.7	664.4	556.3	299.6
1.80V/cell	4547.6	3496.0	3149.0	2416.7	1952.7	1469.8	1192.2	1007.5	872.7	709.9	592.8	315.9
1.75V/cell	4600.9	3538.3	3179.8	2482.7	2001.5	1516.6	1217.4	1027.2	888.5	721.4	601.0	319.7
1.70V/cell	4853.6	3713.2	3282.5	2551.3	2054.7	1553.7	1243.7	1047.6	905.4	732.6	609.4	323.4
1.67V/cell	4973.0	3893.3	3384.0	2587.5	2081.7	1572.7	1257.9	1058.3	914.5	739.3	614.1	325.7
1.60V/cell	5240.4	4020.4	3475.2	2680.7	2152.6	1621.1	1293.2	1086.0	936.3	754.4	625.5	331.1



LPL Series-Long Life Standby LPL2-3000(2V3000Ah)



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

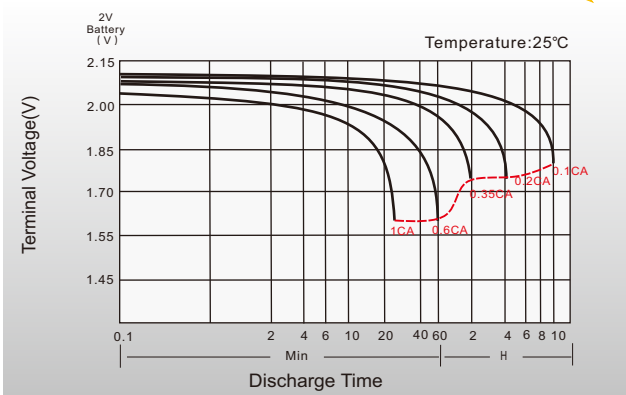
General Features

- 16 years design life(25°C)
- Grid refining technology and the thicker plates are used to extend the battery standby life and reduce the plate grid corrosion speed
- Using oxygen recombination technology: maintenance-free
- Unique vent valve design: control water losing, prevent air and spark going inside

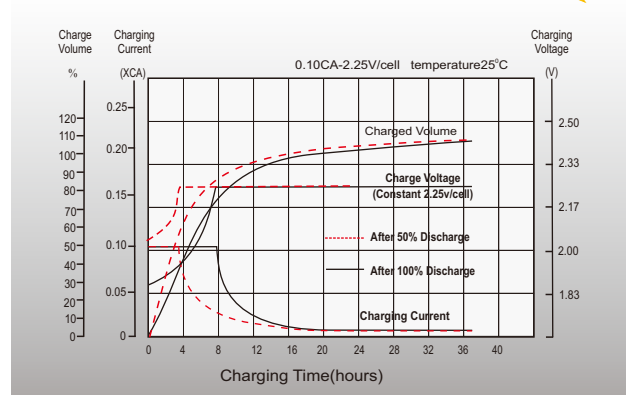
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch@IATF16949, ISO 45001,ISO 9001 and ISO 14001 certified production facilities

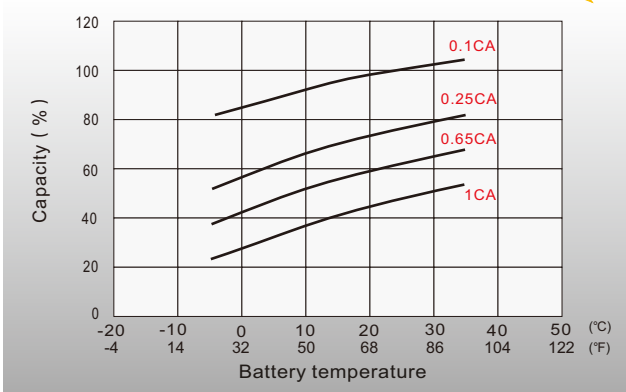
Discharge Characteristics



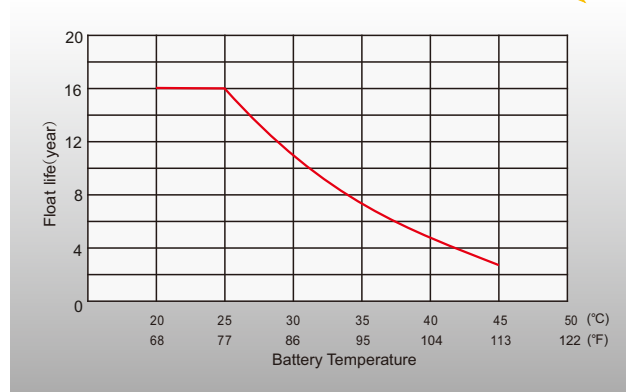
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



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Publication No.: LB-LPL2-3000-PD-EN-V3.0-202012