



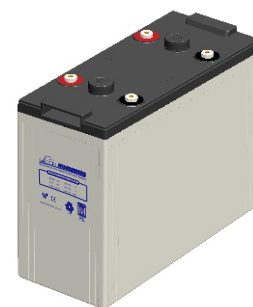
LPL Series-Long Life Standby

LPL2-800(2V800Ah)

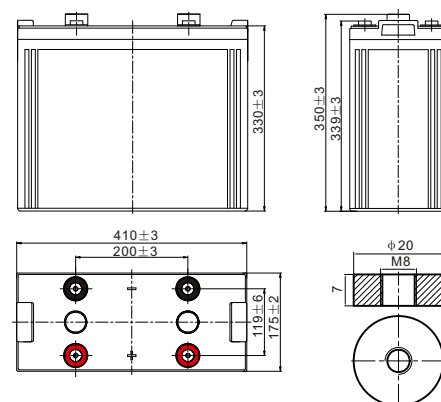


Specifications

Rated Voltage	2V	
Nominal Capacity	800.0Ah	(C ₁₀ , 1.80V/cell)
Dimension	Length	410±3mm (16.14 inches)
	Width	175±2mm (6.89 inches)
	Container Height	330±3mm (12.99 inches)
	Total Height	350±3mm (13.78 inches)
Approx Weight	54.9 Kg (121.1 lbs)	
Terminal	M8	
Container Material	ABS or PP	
Rated Capacity (25°C)	854.0 Ah	(20hr, 42.7A, 1.80V/cell)
	800.0 Ah	(10hr, 80.0A, 1.80V/cell)
	710.0 Ah	(5hr, 142.0A, 1.75V/cell)
	617.7 Ah	(3hr, 205.9A, 1.75V/cell)
	480.5 Ah	(1hr, 480.5A, 1.60V/cell)
Max. Discharge Current	6400A (5s)	
Internal Resistance (25°C)	Approx 0.5mΩ	
Operating Temp. Range	Discharge	-15 ~ 50°C (5 ~ 122°F)
	Charge	0 ~ 40°C (32 ~ 104°F)
	Storage	-15 ~ 40°C (5 ~ 104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 240.0A. Voltage 2.4V~2.5V at 25°C(77°F)Temp. Coefficient -5mV/°C	
Standby Use	Initial Charging Current less than 240.0A. Voltage 2.25V~2.30V at 25°C(77°F)Temp. Coefficient -3mV/°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	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	600.3	481.3	401.3	248.8	189.9	155.2	132.2	115.5	92.4	77.0	41.2
1.80V/cell	644.1	506.3	419.6	260.0	199.2	162.2	137.7	120.6	96.4	80.0	42.7
1.75V/cell	682.1	532.4	437.8	270.4	205.9	167.7	142.0	123.5	98.3	81.0	42.9
1.70V/cell	715.7	552.5	453.2	281.2	212.3	171.4	144.4	125.7	100.0	82.0	43.4
1.65V/cell	750.7	576.5	469.5	290.4	217.1	175.0	147.5	127.8	101.5	83.0	43.8
1.60V/cell	776.4	592.0	480.5	296.0	220.8	177.5	149.7	129.6	103.0	84.2	44.1

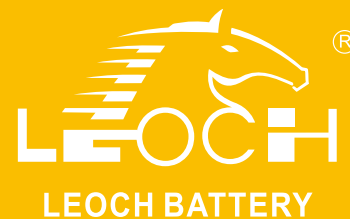
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1147.2	925.4	776.2	483.9	371.1	304.5	260.4	228.2	183.4	153.2	82.1
1.80V/cell	1221.0	967.1	807.1	503.3	387.5	317.0	270.2	237.4	190.7	158.9	84.8
1.75V/cell	1283.2	1011.0	838.4	521.4	399.4	326.7	277.5	242.3	194.0	160.7	85.1
1.70V/cell	1335.1	1041.7	863.2	539.9	410.2	332.4	281.5	246.2	197.2	162.5	86.0
1.65V/cell	1390.0	1081.0	889.2	555.2	417.7	338.4	286.5	249.7	199.7	164.2	86.8
1.60V/cell	1423.2	1099.7	903.9	562.4	422.7	341.6	289.5	252.3	202.2	166.3	87.3



LPL Series-Long Life Standby

LPL2-800(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

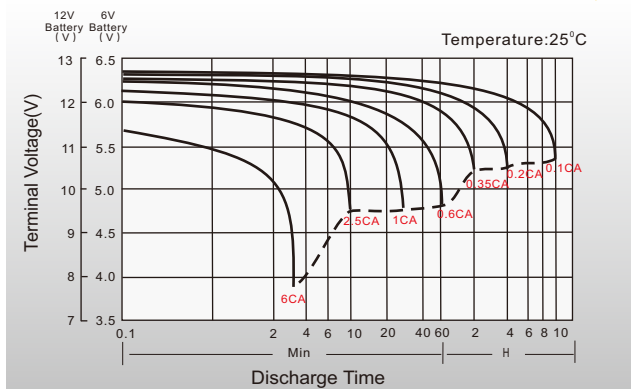
General Features

- 20 years design life
- 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
- Can be operated in upright, side, or end mounting orientation

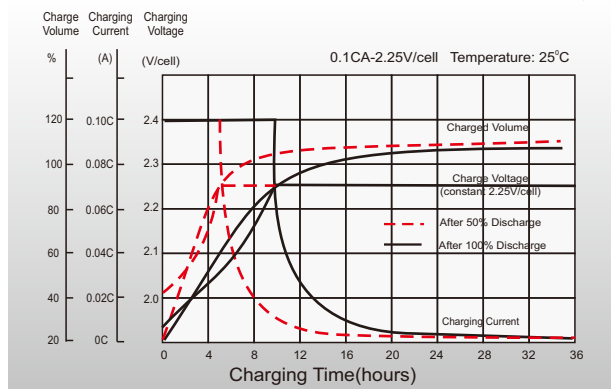
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch@IATF16949, OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

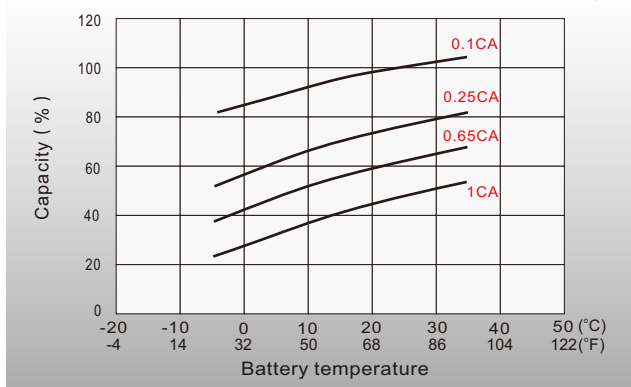
Discharge Characteristics



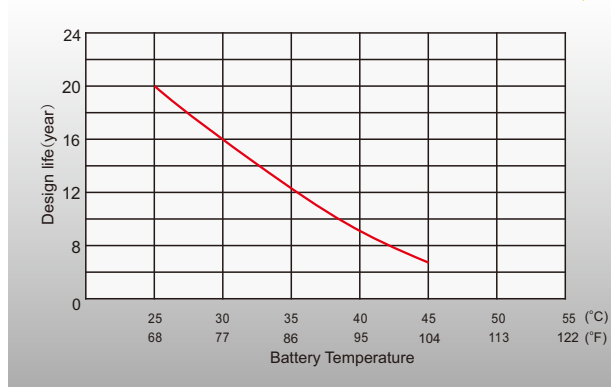
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Design Life



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