



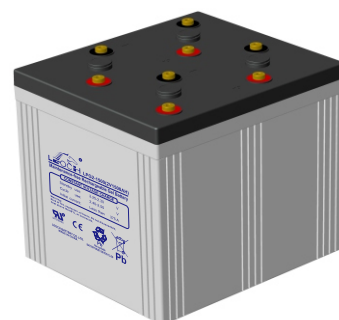
LPG Series-Gel Battery

LPG2-1500(2V1500Ah)

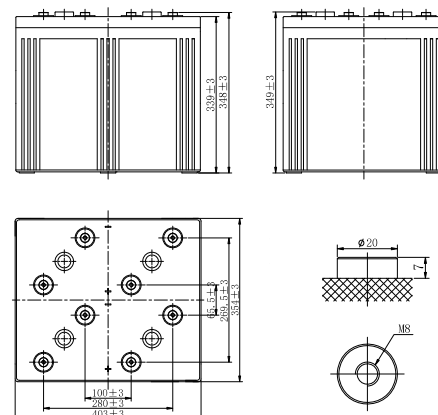


Specifications

Rated Voltage	2V	
Nominal Capacity	1500.0Ah	(C ₁₀ , 1.80V/cell)
Dimension	Length	403±3mm (15.9 inches)
	Width	354±3mm (13.9 inches)
	Container Height	339±3mm (13.3 inches)
	Total Height	349±3mm (13.7 inches)
Approx Weight	94.8 Kg (209.0 lbs)	
Terminal	M8	
Container Material	ABS	
Rated Capacity (25°C)	1590.0 Ah	C20(79.5A, 1.80V/cell)
	1500.0 Ah	C10(150.0A, 1.80V/cell)
	1288.5 Ah	C5(257.7A, 1.75V/cell)
	1156.5 Ah	C3(385.5A, 1.75V/cell)
	709.3 Ah	C1(709.3A, 1.60V/cell)
Max. Discharge Current	12000A (5s)	
Internal Resistance (25°C)	Approx 0.42mΩ	
Operating Temp. Range	Discharge : -20 ~ 60°C (-4 ~ 140°F)	
	Charge : -20 ~ 40°C (-4 ~ 104°F)	
	Storage : -20 ~ 50°C (-4 ~ 122°F)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 375.0A. Voltage 2.40V~2.50V at 25°C(77°F)Temp. Coefficient -5mV/°C	
Standby Use	Initial Charging Current less than 375.0A. Voltage 2.23V~2.27V 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	LPG 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	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1440.1	1273.8	1052.4	844.5	745.9	570.5	457.8	347.0	279.1	233.9	204.5	166.9	140.6	75.3
1.80V/cell	1674.7	1467.7	1189.8	944.3	825.5	624.2	498.1	375.5	300.9	252.0	219.4	178.7	150.0	79.5
1.75V/cell	1771.5	1540.1	1243.5	982.7	856.0	645.2	513.4	385.5	308.4	257.7	223.9	181.9	152.3	80.5
1.70V/cell	1872.3	1620.7	1298.3	1019.9	887.5	666.9	529.8	396.8	316.2	263.6	228.8	185.2	154.7	81.5
1.67V/cell	1931.3	1666.5	1331.1	1042.9	906.0	679.0	538.6	402.7	320.5	266.8	231.5	187.1	156.1	82.1
1.60V/cell	2070.0	1774.6	1406.3	1096.7	950.1	709.3	561.1	417.6	331.2	275.0	238.0	191.5	159.4	83.6

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2766.7	2454.2	2033.9	1637.4	1449.9	1112.3	894.8	680.4	548.5	460.5	403.2	329.8	278.2	149.8
1.80V/cell	3183.8	2800.7	2280.2	1817.5	1593.8	1210.1	968.6	733.2	589.2	494.5	431.4	352.3	296.4	157.9
1.75V/cell	3332.9	2910.4	2363.0	1876.9	1641.0	1243.1	992.8	749.5	601.7	504.2	439.2	358.1	300.5	159.8
1.70V/cell	3482.9	3032.2	2444.8	1932.8	1689.6	1277.5	1019.2	767.9	614.6	514.2	447.5	363.6	304.7	161.7
1.67V/cell	3568.9	3098.3	2493.2	1966.3	1716.6	1295.6	1032.6	777.3	621.7	519.4	452.0	366.9	307.1	162.8
1.60V/cell	3757.9	3247.4	2600.2	2046.0	1783.2	1342.3	1067.8	801.2	639.1	533.0	462.8	374.5	312.8	165.6



LPG Series-Gel Battery

LPG2-1500(2V1500Ah)



Applications

- Telecommunications
- Solar system
- Wind power system
- Engine starting
- Wheelchair, Floor cleaning machines, Golf trolley, Boats

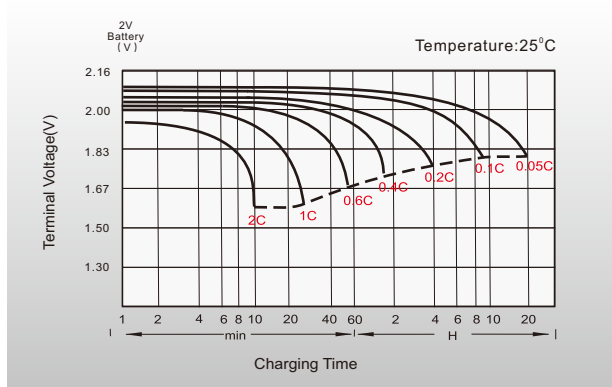
General Features

- Battery design life up to 16 years
- Special plate design guarantees battery floating life more than 4000 times
- High thermal capacity reduce the risk of thermal out of control and drying hard, and the battery can be used in bad environment
- Little water losing, and no electrolyte stratification phenomenon

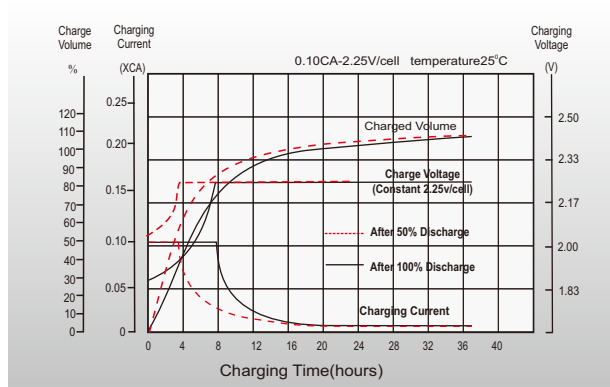
Standards

- IEC 60896 Certified
- Classified as "Very Long Life" according to Eurobat
- UL Certified
- Manufactured in Leoch® IATF16949, ISO 9001, ISO 14001 and ISO 45001 certified production facilities

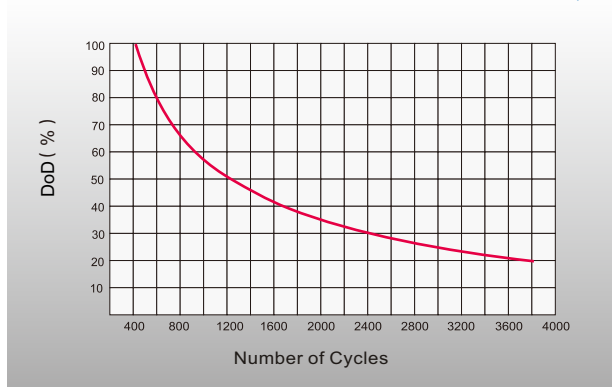
Discharge Characteristics



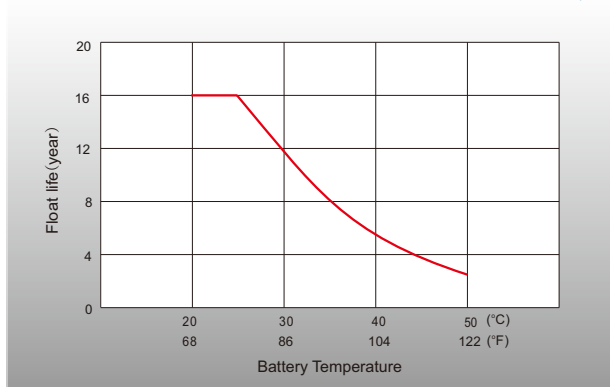
Float Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Effect of Temperature on Long Term Float Life



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