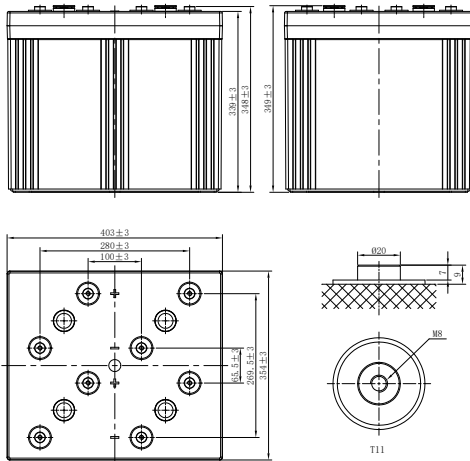
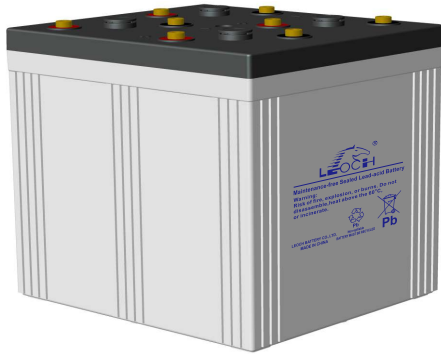


LPG SERIES-GEL BATTERY

LPG2-1500 (2V1500Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	1500Ah
Dimension	Length	403mm (15.9inches)
	Width	354mm (13.9inches)
	Container Height	339mm (13.3inches)
	Total Height	349mm (13.7inches)
Approx Weight	102kg (224.9lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	10500A	
Internal Resistance (25°C)	Approx 0.5 mΩ (Fully charged)	
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)	
Max.Charging Current (25°C)	0.25C	
Charge voltage (25°C)	Standby Use	Cycle Use
	2.23-2.27V/cell	2.35-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
	≤2.5% per month at 25°C (77°F). LPG series batteries may be stored up to 9 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	
Self Discharge		

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	844.5	745.9	690.3	602.8	457.8	347.0	279.1	238.6	204.5	166.9	140.6	75.3
1.80V/cell	944.3	825.5	755.3	658.0	498.1	375.5	300.9	257.0	219.4	178.7	150.0	79.5
1.75V/cell	982.7	856.0	780.7	679.4	513.4	385.5	308.4	262.9	223.9	181.9	152.3	80.5
1.70V/cell	1019.9	887.5	806.9	701.8	529.8	396.8	316.2	268.9	228.8	185.2	154.7	81.5
1.67V/cell	1042.9	906.0	821.6	714.1	538.6	402.7	320.5	272.1	231.5	187.1	156.1	82.1
1.60V/cell	1096.7	950.1	858.3	745.2	561.1	417.6	331.2	280.5	238.0	191.5	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	1637.4	1449.9	1345.9	1176.4	894.8	680.4	548.5	469.7	403.2	329.8	278.2	149.8
1.80V/cell	1817.5	1593.8	1464.2	1277.2	968.6	733.2	589.2	504.4	431.4	352.3	296.4	157.9
1.75V/cell	1876.9	1641.0	1504.2	1310.9	992.8	749.5	601.7	514.3	439.2	358.1	300.5	159.8
1.70V/cell	1932.8	1689.6	1545.8	1346.6	1019.2	767.9	614.6	524.5	447.5	363.6	304.7	161.7
1.67V/cell	1966.3	1716.6	1567.7	1365.1	1032.6	777.3	621.7	529.8	452.0	366.9	307.1	162.8
1.60V/cell	2046.0	1783.2	1624.2	1413.3	1067.8	801.2	639.1	543.7	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

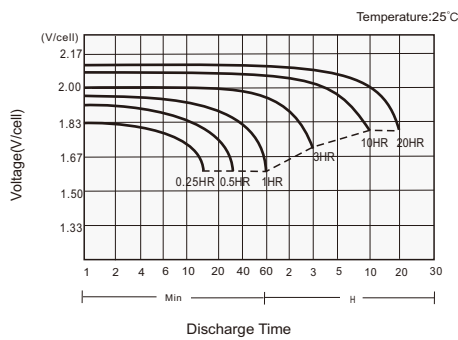
GENERAL FEATURES

- 16 years design life (25°C)
- Gelled electrolyte for superior thermal management, long float life
- Efficient gas recombination decreases gassing/water and extends battery life
- Robust design - resilient in harsh conditions
- Proof against deep discharge - greater long-term energy delivery and cycle life

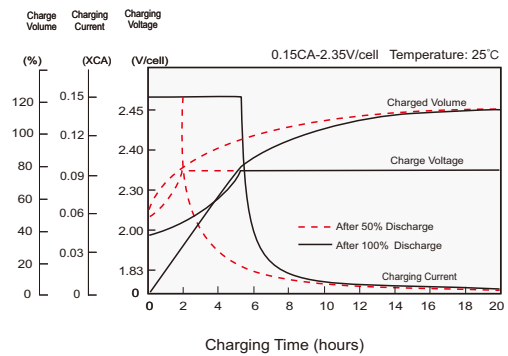
STANDARDS

- IEC60896 Certified
- Classified as "Very Long Life" according to Eurobat
- UL, CE Approved
- Manufactured in Leoch@IATF16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

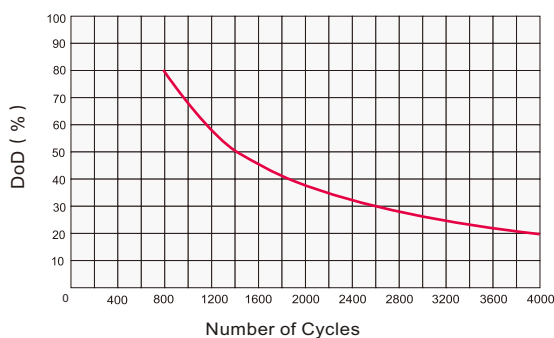
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to DoD



Self Discharge Characteristics

