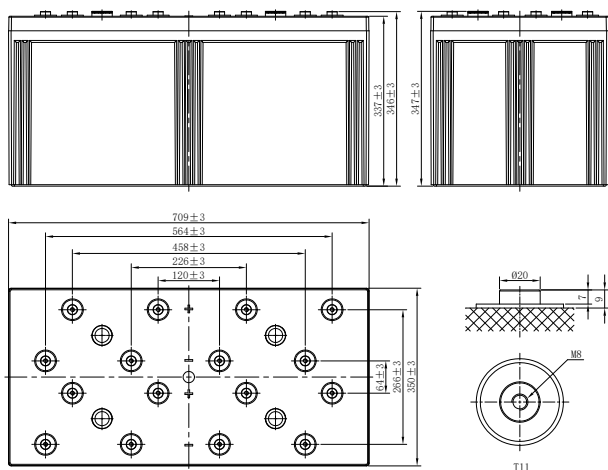


LPG SERIES-GEL BATTERY

LPG2-3000 (2V3000Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	3000Ah
Dimension	Length	709mm (27.9inches)
	Width	350mm (13.8inches)
	Container Height	337mm (13.3inches)
	Total Height	347mm (13.7inches)
Approx Weight	190kg (418.9lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	18000A	
Internal Resistance (25°C)	Approx 0.45 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%
Self Discharge	≤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.	

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	1689.0	1491.8	1380.6	1205.5	915.6	694.0	558.2	477.2	409.0	333.8	281.2	150.6
1.80V/cell	1888.6	1651.0	1510.6	1316.1	996.2	751.0	601.8	514.1	438.8	357.4	300.0	159.0
1.75V/cell	1965.4	1712.0	1561.4	1358.8	1026.8	771.0	616.8	525.7	447.8	363.8	304.6	161.0
1.70V/cell	2039.8	1775.0	1613.9	1403.6	1059.6	793.6	632.4	537.7	457.6	370.4	309.4	163.0
1.67V/cell	2085.8	1812.0	1643.2	1428.2	1077.2	805.4	641.0	544.3	463.0	374.2	312.2	164.2
1.60V/cell	2193.4	1900.2	1716.5	1490.3	1122.2	835.2	662.4	561.0	476.0	383.0	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	3274.8	2899.8	2691.8	2352.7	1789.6	1360.8	1097.0	939.4	806.4	659.6	556.4	299.6
1.80V/cell	3635.0	3187.6	2928.4	2554.5	1937.2	1466.4	1178.4	1008.8	862.8	704.6	592.8	315.8
1.75V/cell	3753.8	3282.0	3008.3	2621.8	1985.6	1499.0	1203.4	1028.6	878.4	716.2	601.0	319.6
1.70V/cell	3865.6	3379.2	3091.6	2693.2	2038.4	1535.8	1229.2	1049.0	895.0	727.2	609.4	323.4
1.67V/cell	3932.6	3433.2	3135.4	2730.3	2065.2	1554.6	1243.4	1059.6	904.0	733.8	614.2	325.6
1.60V/cell	4092.0	3566.4	3248.4	2826.6	2135.6	1602.4	1278.2	1087.3	925.6	749.0	625.6	331.2

LPG SERIES-GEL BATTERY

LPG2-3000 (2V3000Ah)



APPLICATIONS

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

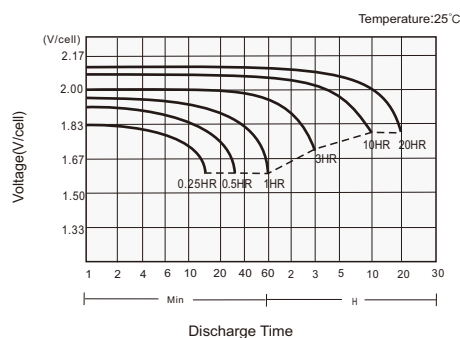
GENERAL FEATURES

- 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

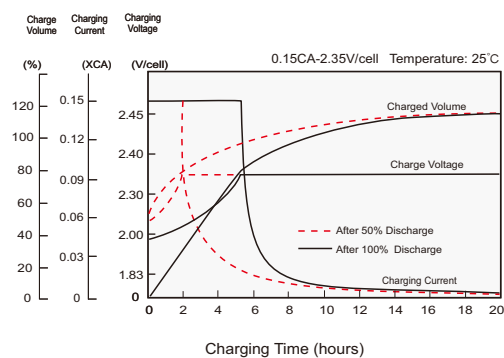
STANDARDS

- 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

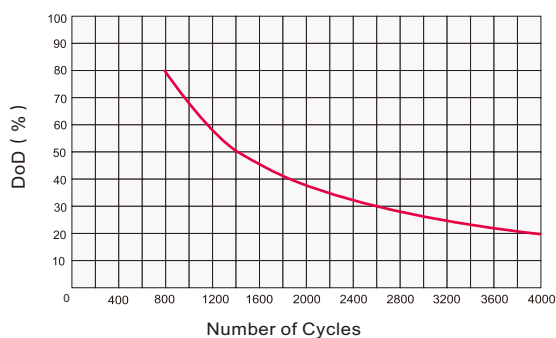
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to DoD



Self Discharge Characteristics

