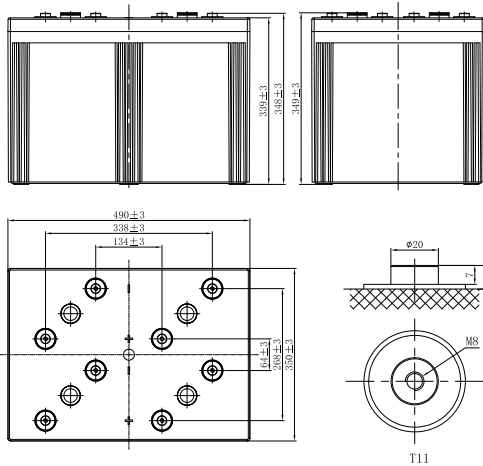
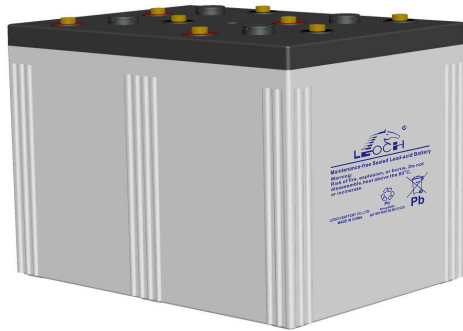


# LPG SERIES-GEL BATTERY

## LPG2-2000 (2V2000Ah)



### CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C <sub>10</sub> , 1.80V/cell	2000Ah
Dimension	Length	490mm (19.3inches)
	Width	350mm (13.8inches)
	Container Height	339mm (13.3inches)
	Total Height	349mm (13.7inches)
Approx Weight	130.0kg (286.6lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	12000A	
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	1126.0	994.5	920.3	678.7	561.5	462.7	372.1	318.1	272.7	222.5	187.4	100.5
1.80V/cell	1259.0	1100.7	1007.0	740.7	612.8	500.6	401.1	342.7	292.5	238.2	200.0	106.0
1.75V/cell	1310.2	1141.4	1040.8	764.6	632.5	514.0	411.2	350.5	298.6	242.6	203.1	107.4
1.70V/cell	1359.9	1183.3	1076.1	789.9	653.5	529.0	421.6	358.4	305.0	246.9	206.3	108.7
1.67V/cell	1390.5	1208.0	1095.4	803.7	664.8	537.0	427.4	362.9	308.6	249.5	208.1	109.5
1.60V/cell	1462.3	1266.8	1144.3	838.4	693.6	556.8	441.6	374.0	317.3	255.4	212.5	111.5
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	2183.2	1933.2	1794.6	1324.7	1095.9	907.2	731.4	626.3	537.6	439.7	370.9	199.8
1.80V/cell	2423.4	2125.0	1952.2	1437.9	1189.6	977.6	785.6	672.6	575.2	469.8	395.2	210.6
1.75V/cell	2502.5	2188.0	2005.6	1475.8	1220.9	999.4	802.2	685.7	585.6	477.4	400.7	213.1
1.70V/cell	2577.0	2252.8	2061.0	1515.8	1254.0	1023.8	819.5	699.3	596.7	484.8	406.3	215.6
1.67V/cell	2621.8	2288.8	2090.3	1536.6	1271.2	1036.4	828.9	706.5	602.7	489.2	409.4	217.1
1.60V/cell	2728.0	2377.6	2165.5	1590.6	1315.9	1068.3	852.1	724.9	617.1	499.3	417.0	220.8

# LPG SERIES-GEL BATTERY

## LPG2-2000 (2V2000Ah)



### APPLICATIONS

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

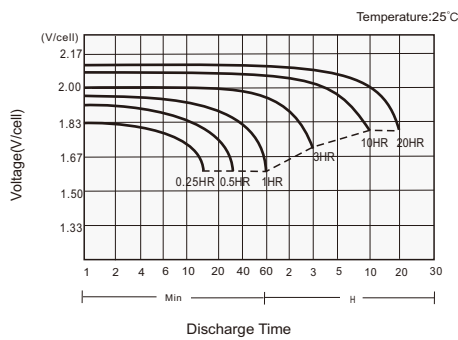
### GENERAL FEATURES

- 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

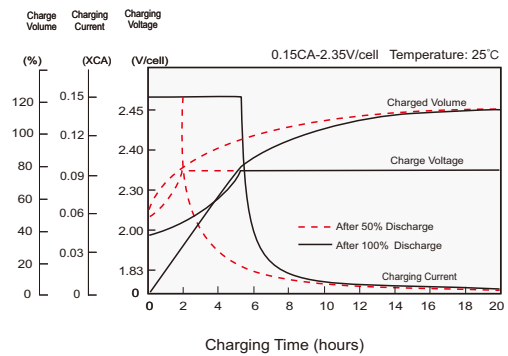
### STANDARDS

- 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

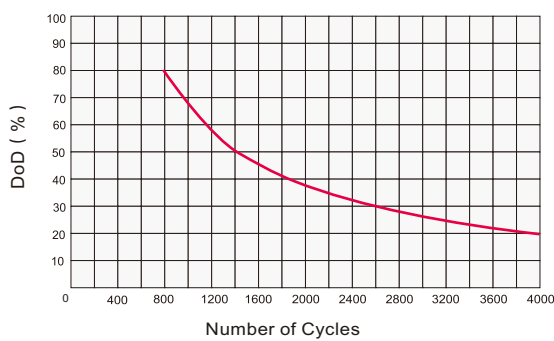
#### Discharge Characteristics



#### Charging Characteristics



#### Cycle Life in Relation to DoD



#### Self Discharge Characteristics

