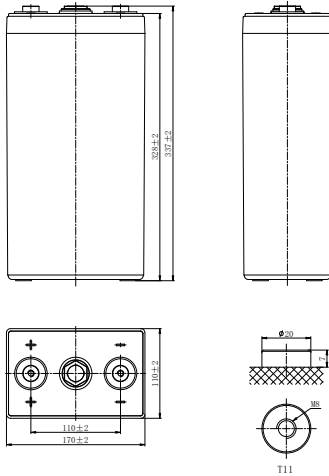


LPG SERIES-GEL BATTERY

LPG2-200 (2V200Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	200Ah
Dimension	Length	170mm (6.69inches)
	Width	110mm (4.33inches)
	Container Height	328mm (12.9inches)
	Total Height	337mm (13.3inches)
Approx Weight	14.1kg (31.1lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	2600A	
Internal Resistance (25°C)	Approx 0.9 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	112.6	99.5	92.1	67.9	58.0	46.3	37.2	31.8	27.3	22.3	18.7	10.0
1.80V/cell	125.9	110.1	100.7	74.0	63.1	50.1	40.1	34.3	29.2	23.8	20.0	10.6
1.75V/cell	131.0	114.1	104.1	76.5	65.1	51.4	41.1	35.1	29.9	24.3	20.3	10.7
1.70V/cell	136.0	118.3	107.6	79.0	67.1	52.9	42.2	35.8	30.5	24.7	20.6	10.9
1.67V/cell	139.0	120.8	109.5	80.3	68.2	53.7	42.7	36.3	30.9	24.9	20.8	11.0
1.60V/cell	146.2	126.7	114.5	83.8	71.1	55.7	44.2	37.4	31.7	25.5	21.3	11.1
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	218.3	193.3	179.4	132.4	113.3	90.7	73.1	62.6	53.8	44.0	37.1	20.0
1.80V/cell	242.3	212.5	195.2	143.8	122.7	97.8	78.6	67.2	57.5	47.0	39.5	21.1
1.75V/cell	250.2	218.8	200.5	147.5	125.8	99.9	80.2	68.5	58.6	47.7	40.1	21.3
1.70V/cell	257.7	225.3	206.1	151.6	129.1	102.4	82.0	70.0	59.7	48.5	40.6	21.6
1.67V/cell	262.2	228.9	209.0	153.7	130.8	103.6	82.9	70.7	60.3	48.9	40.9	21.7
1.60V/cell	272.8	237.8	216.6	159.1	135.3	106.8	85.2	72.5	61.7	49.9	41.7	22.1

LPG SERIES-GEL BATTERY

LPG2-200 (2V200Ah)



APPLICATIONS

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

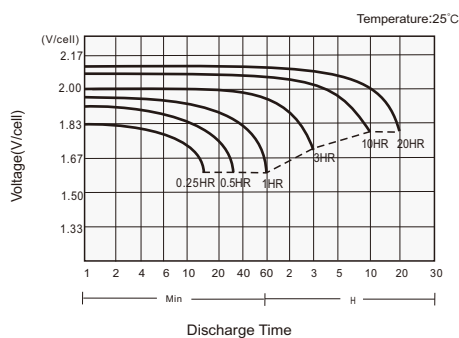
GENERAL FEATURES

- 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

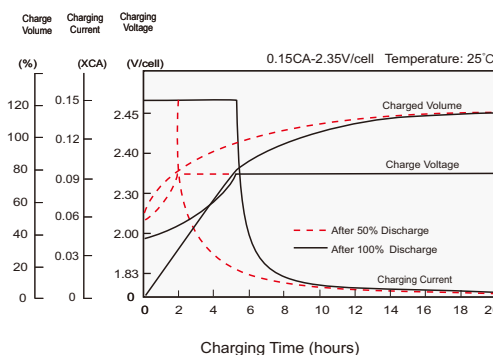
STANDARDS

- 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

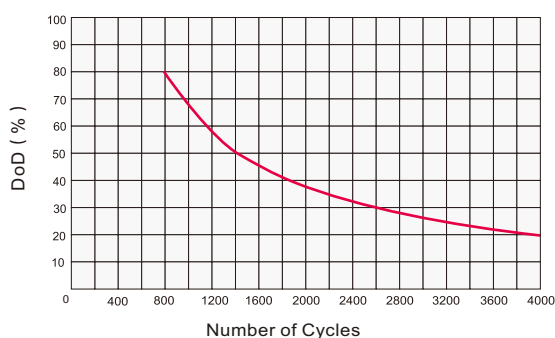
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to DoD



Self Discharge Characteristics

