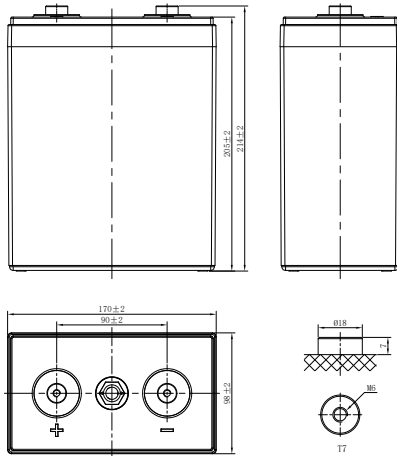


LPG SERIES-GEL BATTERY

LPG2-120 (2V120Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	120Ah
Dimension	Length	170mm (6.69inches)
	Width	98mm (3.86inches)
	Container Height	205mm (8.07inches)
	Total Height	214mm (8.43inches)
Approx Weight	7.3kg (16.1lbs)	
Terminal	T7(M6)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	1560A	
Internal Resistance (25°C)	Approx 1 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	67.6	59.7	55.2	40.7	32.7	27.8	22.3	19.1	16.4	13.4	11.2	6.03
1.80V/cell	75.5	66.0	60.4	44.4	35.6	30.0	24.1	20.6	17.5	14.3	12.0	6.30
1.75V/cell	78.6	68.5	62.4	45.9	36.7	30.8	24.7	21.0	17.9	14.6	12.2	6.44
1.70V/cell	81.6	71.0	64.6	47.4	37.9	31.7	25.3	21.5	18.3	14.8	12.4	6.52
1.67V/cell	83.4	72.5	65.7	48.2	38.5	32.2	25.6	21.7	18.5	15.0	12.5	6.57
1.60V/cell	87.7	76.0	68.6	50.3	40.1	33.4	26.5	22.4	19.0	15.3	12.8	6.69

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	131.0	116.0	107.7	79.5	67.3	54.4	43.9	37.5	32.3	26.4	22.3	12.0
1.80V/cell	145.4	127.5	117.1	86.2	72.9	58.7	47.1	40.4	34.5	28.2	23.7	12.6
1.75V/cell	150.1	131.3	120.3	88.6	74.6	60.0	48.1	41.1	35.1	28.6	24.0	12.8
1.70V/cell	154.6	135.2	123.7	91.0	76.6	61.4	49.2	41.9	35.8	29.1	24.4	12.9
1.67V/cell	157.3	137.3	125.4	92.2	77.6	62.2	49.7	42.4	36.2	29.4	24.6	13.0
1.60V/cell	163.7	142.7	130.0	95.5	80.3	64.1	51.1	43.5	37.0	30.0	25.0	13.2

LPG SERIES-GEL BATTERY

LPG2-120 (2V120Ah)



APPLICATIONS

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

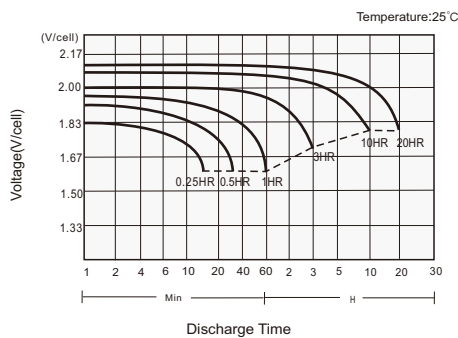
GENERAL FEATURES

- 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

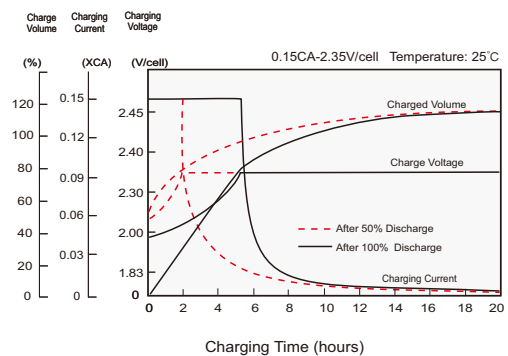
STANDARDS

- 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

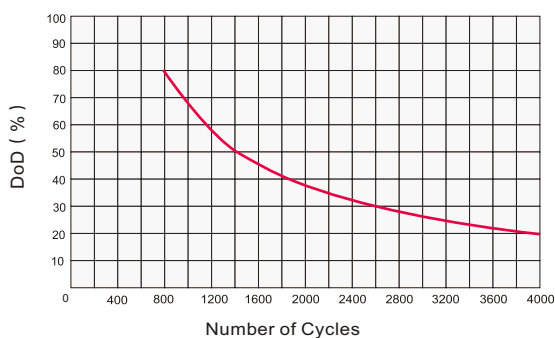
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to DoD



Self Discharge Characteristics

