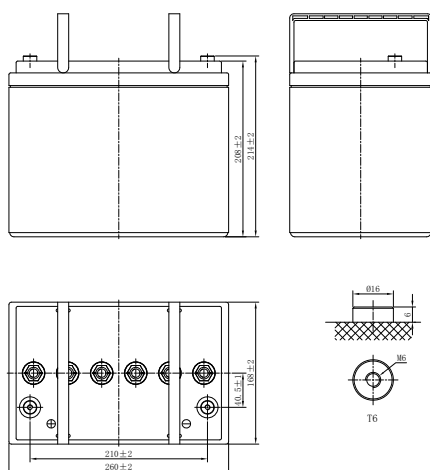


LPG SERIES-GEL BATTERY

LPG12-70H (12V70Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₂₀ 1.80V/cell	70Ah
Dimension	Length	260mm (10.2inches)
	Width	168mm (6.61inches)
	Container Height	208mm (8.19inches)
	Total Height	214mm (8.43inches)
Approx Weight	22.9kg (50.5lbs)	
Terminal	T6(M6)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	1470A	
Internal Resistance (25°C)	Approx 9.4 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	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	91.6	79.5	62.5	50.1	39.9	34.3	25.0	19.4	13.4	10.8	9.08	7.91	6.46	5.46	3.32
1.80V/cell	104.1	90.0	70.6	58.2	45.3	38.1	27.5	21.1	14.5	11.6	9.75	8.45	6.87	6.00	3.50
1.75V/cell	112.8	97.5	76.3	60.9	47.0	39.7	28.6	21.9	15.0	11.9	10.0	8.62	7.00	6.03	3.54
1.70V/cell	118.0	102.4	80.3	63.7	48.8	41.2	29.6	22.7	15.4	12.3	10.3	8.87	7.09	6.03	3.58
1.67V/cell	124.1	106.6	83.1	65.5	49.7	42.0	30.2	23.1	15.7	12.5	10.4	8.96	7.15	6.08	3.61
1.60V/cell	128.4	109.8	85.3	69.5	52.1	44.1	31.6	24.2	16.4	13.0	10.8	9.29	7.29	6.14	3.68
Constant Power Discharge (Watts/cell) at 25°C (77°F)															
F.V/Time	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	172.4	150.4	118.9	95.7	76.8	66.3	48.6	37.6	26.3	21.0	17.8	15.6	12.8	10.8	6.59
1.80V/cell	192.9	168.4	132.9	110.0	86.5	73.4	53.0	40.8	28.3	22.6	19.0	16.6	13.5	11.8	6.93
1.75V/cell	205.9	179.6	141.9	114.0	89.1	75.9	54.8	42.1	29.0	23.2	19.4	16.9	13.8	11.8	6.99
1.70V/cell	211.5	186.2	147.6	118.2	91.6	78.4	56.5	43.4	29.8	23.7	19.9	17.2	13.9	11.8	7.07
1.67V/cell	219.9	191.9	151.6	120.7	92.9	79.6	57.5	44.1	30.2	24.0	20.2	17.5	14.0	11.9	7.12
1.60V/cell	223.0	194.6	153.7	126.1	96.5	82.8	59.8	46.0	31.3	24.8	20.8	18.0	14.3	12.0	7.25

LPG SERIES-GEL BATTERY

LPG12-70H (12V70Ah)



APPLICATIONS

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

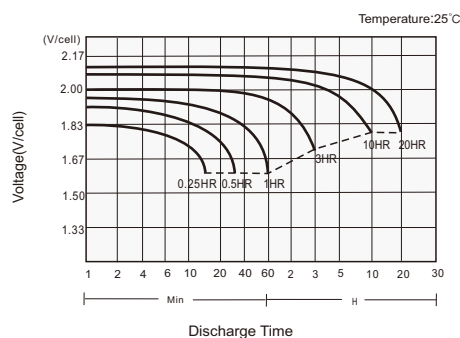
GENERAL FEATURES

- 12 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

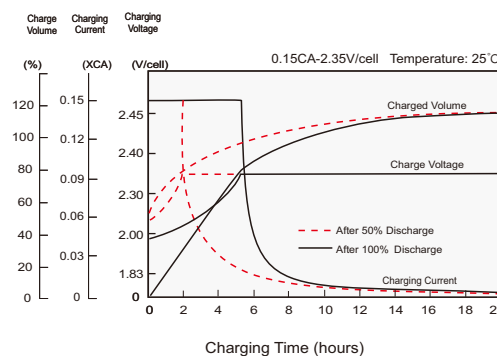
STANDARDS

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

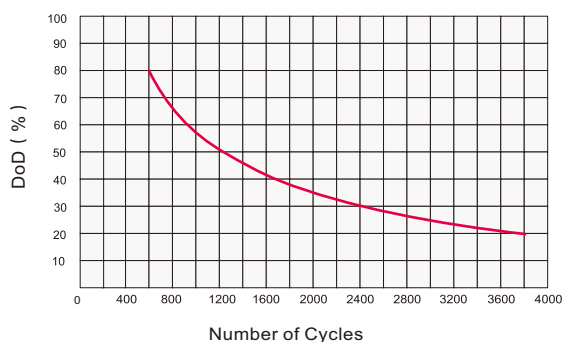
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to DoD



Self Discharge Characteristics

