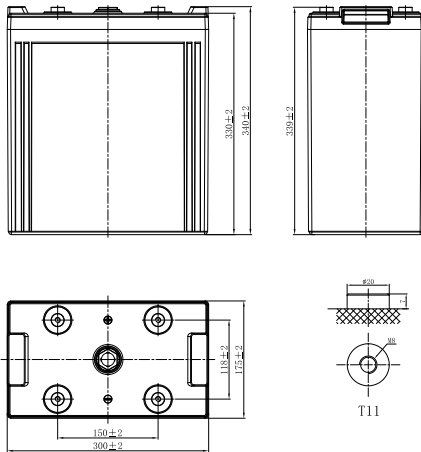


# LPG SERIES-GEL BATTERY

## LPG2-600 (2V600Ah)



### CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C <sub>10</sub> , 1.80V/cell	600Ah
Dimension	Length	300mm (11.8inches)
	Width	175mm (6.89inches)
	Container Height	330mm (13.0inches)
	Total Height	340mm (13.4inches)
Approx Weight	40.0kg (88.2lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	5400A	
Internal Resistance (25°C)	Approx 0.55 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	
Effect of temp. to Capacity	40°C (104°F)	103%
	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	337.8	298.4	276.1	203.6	172.1	138.8	111.6	95.5	81.8	66.8	56.2	30.1
1.80V/cell	377.7	330.2	302.1	222.3	188.0	150.2	120.3	102.8	87.7	71.5	60.0	31.8
1.75V/cell	393.1	342.4	312.3	229.5	194.0	154.2	123.4	105.2	89.6	72.8	60.9	32.2
1.70V/cell	408.0	355.0	322.8	236.9	200.3	158.7	126.5	107.5	91.5	74.1	61.9	32.6
1.67V/cell	417.1	362.4	328.6	241.1	203.9	161.1	128.2	108.8	92.6	74.8	62.4	32.9
1.60V/cell	438.7	380.0	343.3	251.5	212.6	167.0	132.5	112.2	95.2	76.6	63.8	33.4

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	655.0	580.0	538.3	397.4	336.0	272.2	219.4	187.9	161.3	131.9	111.3	59.9
1.80V/cell	727.0	637.5	585.6	431.4	364.7	293.3	235.7	201.8	172.6	140.9	118.6	63.2
1.75V/cell	750.7	656.4	601.6	442.6	374.2	299.8	240.7	205.7	175.7	143.2	120.2	63.9
1.70V/cell	773.1	675.8	618.3	454.7	384.5	307.2	245.9	209.8	179.0	145.5	121.9	64.7
1.67V/cell	786.5	686.6	627.0	461.0	389.8	310.9	248.7	212.0	180.8	146.8	122.8	65.1
1.60V/cell	818.4	713.3	649.6	477.2	403.4	320.5	255.6	217.5	185.1	149.8	125.1	66.2

# LPG SERIES-GEL BATTERY

## LPG2-600 (2V600Ah)



### APPLICATIONS

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

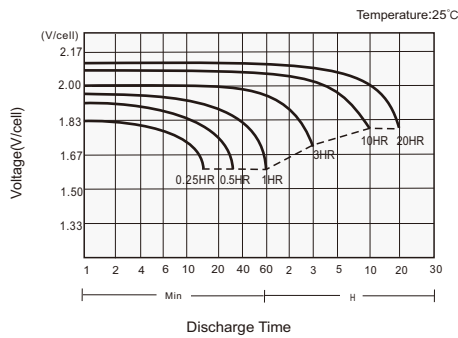
### GENERAL FEATURES

- 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

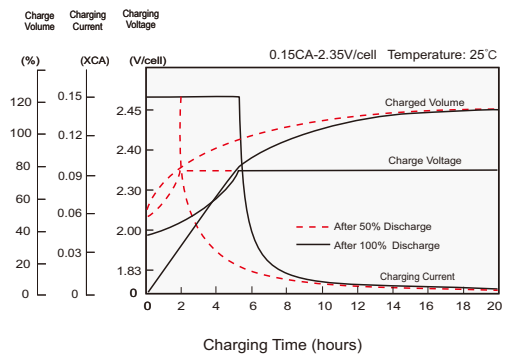
### STANDARDS

- 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

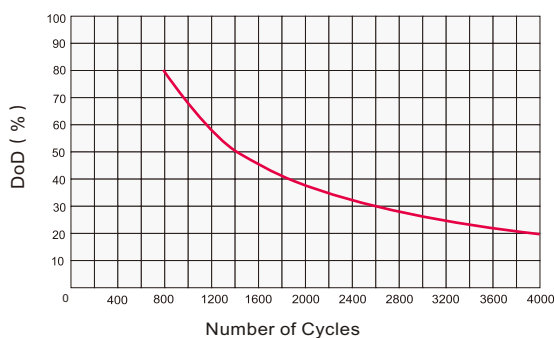
#### Discharge Characteristics



#### Charging Characteristics



#### Cycle Life in Relation to DoD



#### Self Discharge Characteristics

