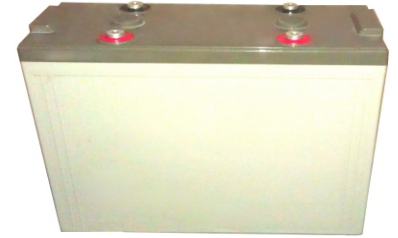


LPG SERIES-GEL Battery

LPG2-1000 (2V1000AH)

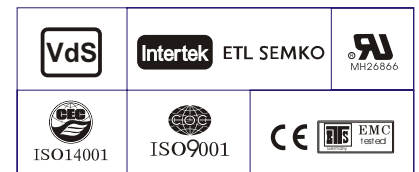
Specification

Nominal Voltage	2V	
Nominal Capacity(10HR)	1000.0AH	
Dimension	Length	475±3mm (18.70 inches)
	Width	175±2mm (6.89 inches)
	Container Height	328±3mm (12.91 inches)
	Total Height (with Terminal)	338±3mm (13.31 inches)
Approx Weight	Approx 59.9kg (132.1lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	1066.7 AH/53.335A	(20hr, 1.80V/cell, 25°C/77°F)
	1000.0 AH/100.00A	(10hr, 1.75V/cell, 25°C/77°F)
	860.0 AH/172.0A	(5hr, 1.75V/cell, 25°C/77°F)
	747.9 AH/249.3A	(3hr, 1.75V/cell, 25°C/77°F)
	586.7 AH/586.7A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	7000A (5s)	
Internal Resistance	Approx 0.54mΩ	
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 250.0A. Voltage	
	2.4V~2.5V at 25°C(77°F)Temp. Coefficient -5mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	2.25V~2.3V at 25°C(77°F)Temp. Coefficient -3mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Leoch LPG series batteries may be stored for 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.	



Applications

- ◆ Telecommunications
- ◆ Solar system
- ◆ Wind power system
- ◆ Wheelchair
- ◆ Floor cleaning machines
- ◆ Golf trolley
- ◆ Boats



Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	684.0	521.3	453.0	289.0	220.3	182.5	157.6	136.0	120.4	108.6	99.2	93.9	51.20
1.80V/cell	764.0	576.0	500.0	313.0	236.0	193.5	165.6	142.8	126.0	113.9	104.4	98.1	53.34
1.75V/cell	840.0	621.3	534.0	331.5	249.3	202.8	172.0	147.8	130.6	117.5	107.6	100.0	54.40
1.70V/cell	900.0	660.0	566.0	351.5	259.7	209.3	177.2	153.0	134.9	121.0	110.3	102.4	55.15
1.67V/cell	936.0	684.0	586.7	360.5	268.0	214.5	181.0	155.5	136.9	122.8	111.9	103.6	55.65
1.60V/cell	\	734.7	623.0	375.0	278.7	222.5	186.6	159.3	139.7	125.0	114.2	105.6	56.45

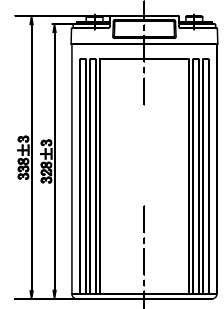
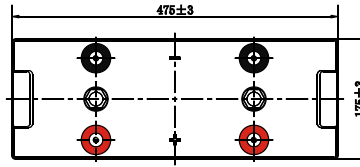
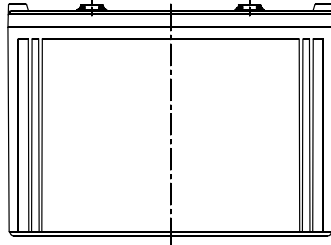
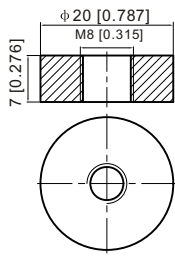
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	1307.8	1003.0	875.2	560.4	428.3	356.2	308.7	267.4	237.4	214.5	196.2	185.8	101.4
1.80V/cell	1447.0	1097.9	961.0	603.8	457.1	376.2	323.3	279.8	247.5	224.2	206.0	193.7	105.5
1.75V/cell	1573.3	1173.7	1021.0	637.8	482.0	392.9	334.2	288.6	255.8	230.9	211.9	197.3	107.5
1.70V/cell	1674.0	1242.1	1078.2	673.1	500.4	404.5	343.6	298.2	263.8	237.4	217.1	201.8	108.9
1.67V/cell	1717.6	1275.7	1108.9	686.8	514.3	413.3	349.7	302.1	266.9	240.2	219.6	203.9	109.7
1.60V/cell	\	1362.8	1171.2	711.0	532.3	427.4	359.4	308.6	271.7	244.1	223.9	207.5	111.2

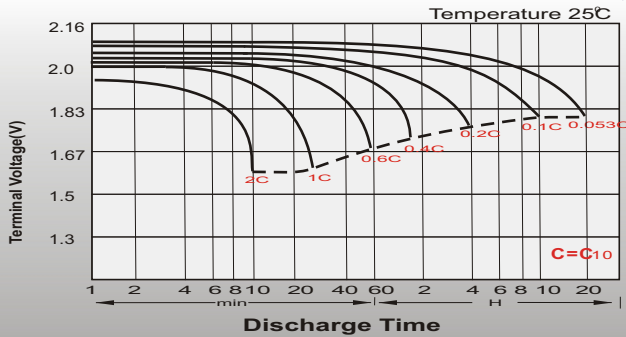
Dimensions

T11 Terminal

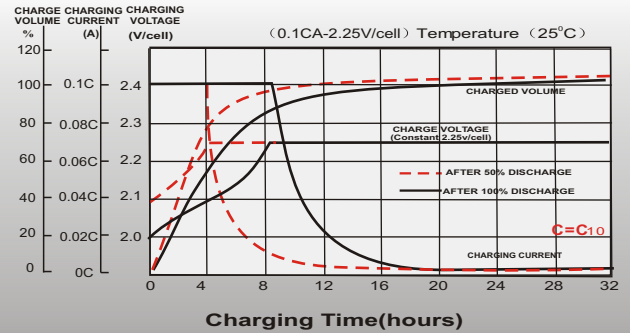
Unit: mm [inches]



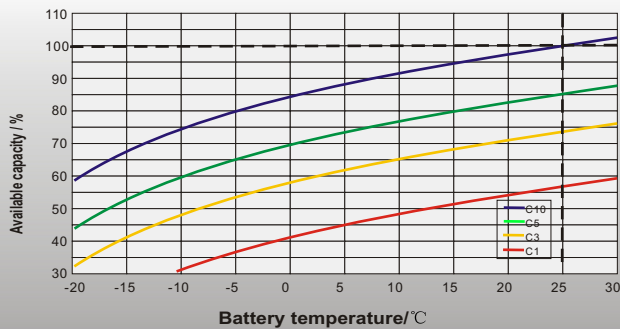
Discharge Characteristics



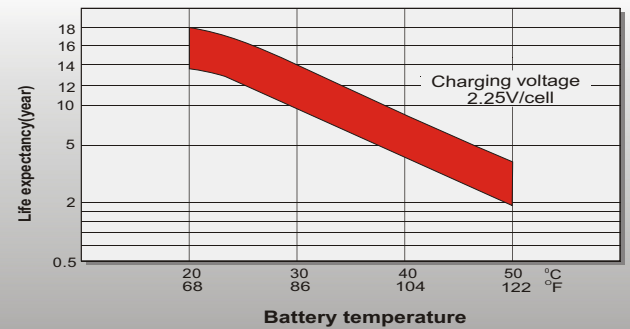
Float Charging Characteristics



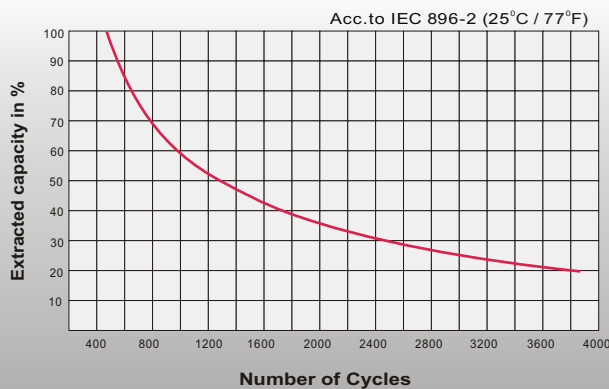
Temperature Effects in Relation to Battery Capacity



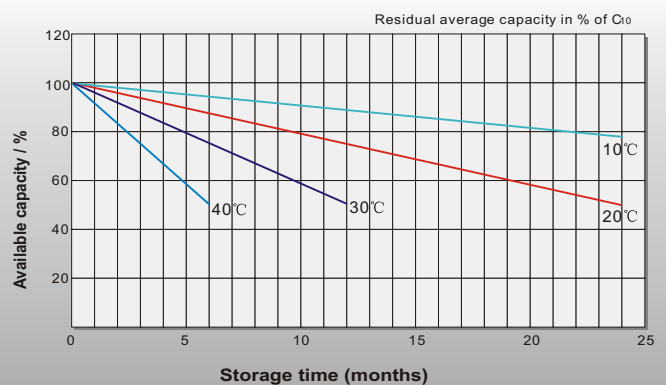
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



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