

LPG SERIES-GEL Battery

LPG12-200 (12V200AH)

Specification

Nominal Voltage	12V	
Nominal Capacity(10HR)	200.0AH	
Dimension	Length	522±3mm (20.55 inches)
	Width	240±3mm (9.45 inches)
	Container Height	218±3mm (8.58 inches)
	Total Height (with Terminal)	224±3mm (8.81 inches)
Approx Weight	Approx 67.6 kg (149.1lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	210.0 AH/10.5A	(20hr, 1.80V/cell, 25°C/77°F)
	200.0 AH/20.0A	(10hr, 1.80V/cell, 25°C/77°F)
	176.0 AH/35.2A	(5hr, 1.75V/cell, 25°C/77°F)
	153.0AH/51.0A	(3hr, 1.75V/cell, 25°C/77°F)
	120.9AH/120.9A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	1800A (5s)	
Internal Resistance	Approx 3.24mΩ	
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 60.0A. Voltage	
	14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°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
- ◆ Engine starting
- ◆ Wheelchair
- ◆ Floor cleaning machines
- ◆ Golf trolley
- ◆ Boats



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

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	185.9	145.9	111.3	93.2	59.1	45.1	37.4	32.2	27.8	24.6	22.2	20.3	19.2	10.1
1.80V/cell	213.0	163.1	122.7	102.9	64.0	48.2	39.6	33.8	29.2	25.8	23.3	21.3	20.0	10.5
1.75V/cell	239.3	179.3	132.7	110.1	67.8	51.0	41.4	35.2	30.2	26.7	24.1	22.0	20.4	10.7
1.70V/cell	257.8	192.1	141.0	116.5	71.9	53.1	42.9	36.3	31.3	27.6	24.7	22.5	20.9	10.8
1.67V/cell	268.4	199.6	145.9	120.9	73.7	54.8	43.8	37.0	31.8	28.0	25.2	22.9	21.2	10.9
1.60V/cell	290.8	213.6	156.8	128.4	76.7	57.0	45.5	38.1	32.5	28.6	25.6	23.3	21.5	11.1

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

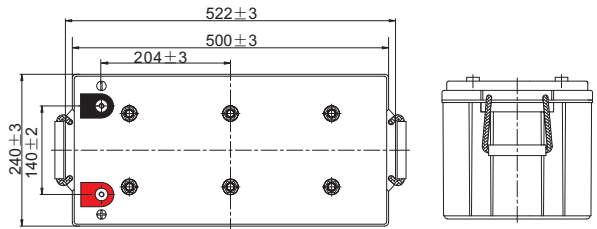
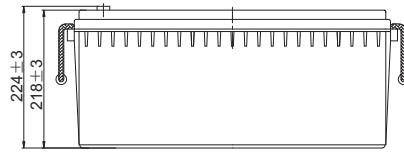
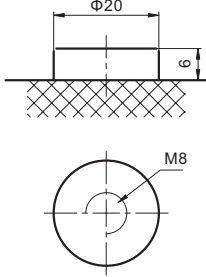
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	355.8	281.2	215.9	181.4	115.5	88.2	73.4	63.6	55.1	48.9	44.2	40.4	38.2	20.1
1.80V/cell	402.3	311.3	236.4	199.2	124.5	94.3	77.5	66.6	57.6	51.0	46.2	42.4	39.9	20.9
1.75V/cell	447.1	339.2	253.6	212.2	131.4	99.3	80.9	68.9	59.5	52.6	47.6	43.6	40.7	21.3
1.70V/cell	476.4	360.2	267.4	223.2	138.7	103.2	83.4	70.9	61.4	54.3	48.9	44.7	41.5	21.5
1.67V/cell	490.3	370.3	274.9	230.3	141.5	105.9	85.2	72.2	62.3	54.9	49.6	45.2	42.0	21.7
1.60V/cell	525.4	392.6	293.2	243.2	146.6	109.7	88.1	74.2	63.5	56.0	50.3	46.2	42.7	22.0

Specifications subject to change without notice.

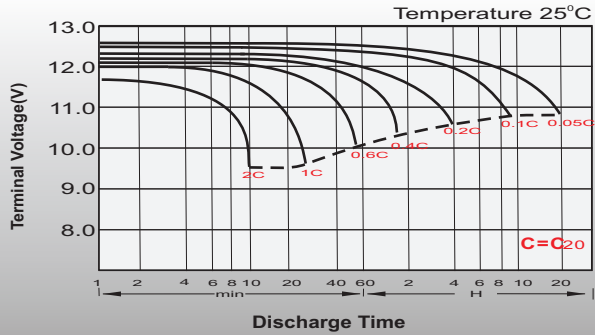
Dimensions

T11 Terminal

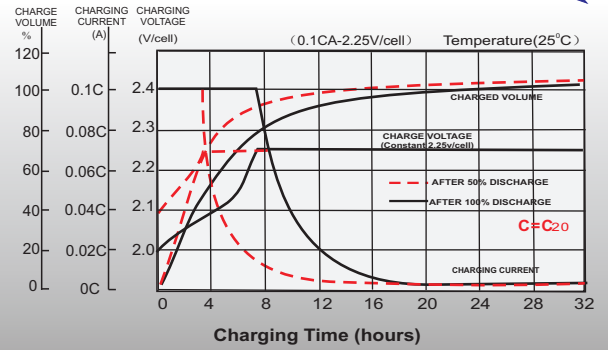
Unit: mm



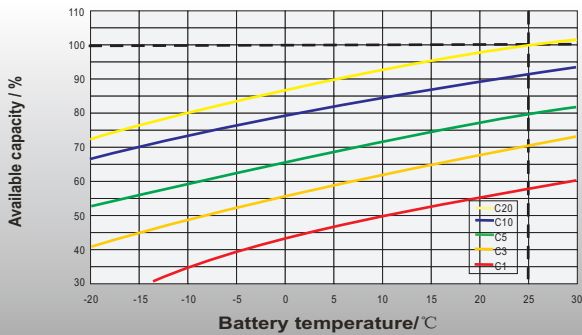
Discharge Characteristics



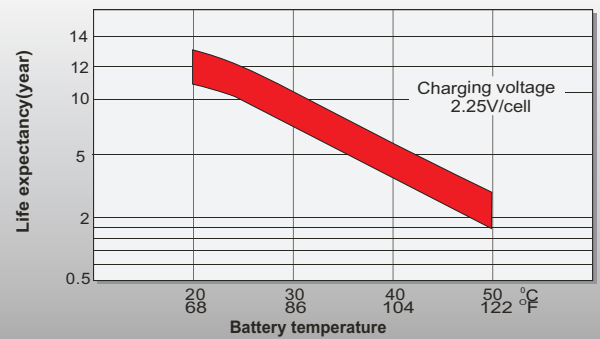
Float Charging Characteristics



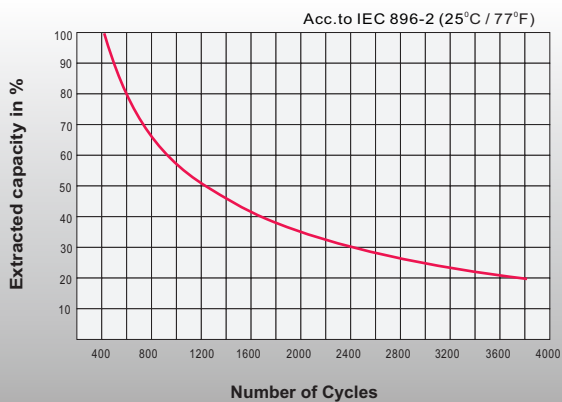
Temperature Effects in Relation to Battery Capacity



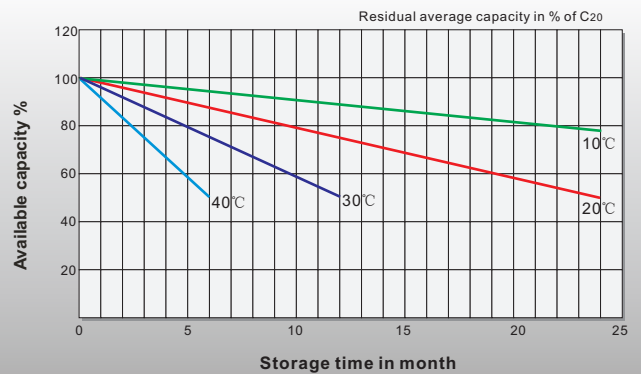
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



Sales Office

China sales office:

Add: 5th Floor, Xinbaohui Bldg., Nanhai Blvd.,
Nanshan, Shenzhen, China. 518052
Tel: +86-755-86036060 (100 lines)
Fax: +86-755-26067269
E-mail: export@leoch.com
Http://www.leoch.com

HongKong sales office:

Workshop C, 33/F, TML Tower,
No. 3 Hoi Shing Road, Tsuen Wan,
New Territories, Hong Kong
Tel: +852 35786666
Fax: +852 21170016
E-mail: sales.hk@leoch.com

Singapore sales office:

Add: No. 1 Tech Park Crescent,
Singapore 638131
Tel: +65 68636078
Fax: +65 68636079
Email sales.sg@leoch.com
Http://www.leoch.com

North America sales office:

Add: 19751 Descartes, Unit A,
Foothill Ranch, CA 92610, USA
Tel: 949-588-5853
Fax: 949-588-5966
E-mail: sales@leoch.us
Http://www.leoch.com

Europe sales office:

Add: 9B Wheatstone Court. Waterwells
Business Park, Gloucester, GL2-2AQ,
UK United Kingdom
Tel: +44(0) 1452 729428 / 1452 729696
Fax: +44 (0)1452-690125
E-mail: Sales.Europe@leoch.com