Reliable Power Solutions

LPG SERIES-GEL Battery

LPG2-200 (2V, 200AH)

Specification

Nominal Voltage	2V
Nominal Capacity(10HR)	200.0AH
Dimension	Length 170±2mm (6.69 inches) Width 110±2mm (4.33 inches) Container Height 328±3mm (12.91 inches) Total Height (with Terminal) 337±3mm (13.27 inches)
Approx Weight	Approx 13.5 kg (29.8 lbs)
Terminal	T11 with Tin plated copper alloy insert (M8 bolt)
Container Material	ABS to UL94 HB (Optional UL94-V0 Flame retardant jars available)
Rated Capacity	213.3 AH/106.65A (20hr,1.80V/cell,25°C/77°F) 188.0 AH/23.5A (8hr,1.75V/cell,25°C/77°F) 172.0 A H/34.4A (5hr,1.75V/cell,25°C/77°F) 149.7 AH/49.9A (3hr,1.75V/cell,25°C/77°F) 117.3 AH/117.3A (1hr,1.67V/cell,25°C/77°F)
Max. Discharge Current	1400A (5s)
Internal Resistance	Approx 1.2mΩ
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)
Standby (Float) Use	No limit on Initial Charging Current Voltage 2.25V~2.3V at 25°C(77°F)Temp. Coefficient -3mV/°C
Cycle Use	Initial Charging Current less than50.0A.Voltage 2.4V~2.5V at 25°C(77°F)Temp. Coefficient -5mV/°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

- *Outside Plant Telecommunications*
- *36 VDC Broadband, CATV pole mounted applications.*
- *Wind & Solar power storage systems*
- *Engine starting*
- *Wheelchair*
- *Floor cleaning machines*
- *Golf trolley*
- *Electric Boat Power*
- *Wider Temperature Range*

VdS | Intertek ETL SEMKO | UL MH26866 | CEC ISO14001 | ISO9001 | CE | RTS EMC tested

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	174.0	136.8	104.3	90.6	57.8	44.1	36.5	31.5	27.2	24.1	21.7	19.8	18.8	10.24
1.80V/cell	199.8	152.8	115.2	100.0	62.6	47.2	38.7	33.1	28.6	25.2	22.8	20.9	19.6	10.67
1.75V/cell	224.4	168.0	124.3	106.8	66.3	49.9	40.6	34.4	29.6	26.1	23.5	21.5	20.0	10.88
1.70V/cell	241.8	180.0	132.0	113.2	70.3	51.9	41.9	35.4	30.6	27.0	24.2	22.1	20.5	11.03
1.67V/cell	251.4	187.2	136.8	117.3	72.1	53.6	42.9	36.2	31.1	27.4	24.6	22.4	20.7	11.13
1.60V/cell	272.4	200.0	146.9	124.6	75.0	55.7	44.5	37.3	31.9	27.9	25.0	22.8	21.1	11.29

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

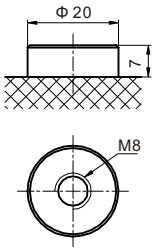
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	330.4	261.6	200.6	175.0	112.1	85.7	71.2	61.7	53.5	47.5	42.9	39.2	37.2	20.3
1.80V/cell	374.4	289.4	219.6	192.2	120.8	91.4	75.2	64.7	56.0	49.5	44.8	41.2	38.7	21.1
1.75V/cell	415.8	314.7	234.7	204.2	127.6	96.4	78.6	66.8	57.7	51.2	46.2	42.4	39.5	21.5
1.70V/cell	443.2	334.8	248.4	215.6	134.6	100.1	80.9	68.7	59.6	52.8	47.5	43.4	40.4	21.8
1.67V/cell	455.5	343.5	255.1	221.7	137.4	102.9	82.7	69.9	60.4	53.4	48.0	43.9	40.8	21.9
1.60V/cell	488.1	364.6	272.6	234.2	142.2	106.5	85.5	71.9	61.7	54.3	48.8	44.8	41.5	22.2

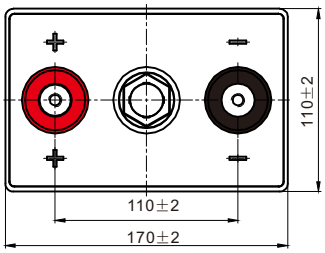
Specifications subject to change without notice.

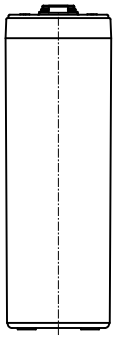
Dimensions

T11 Terminal

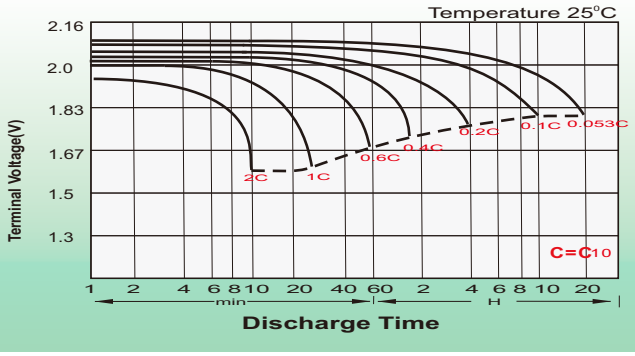
Unit: mm



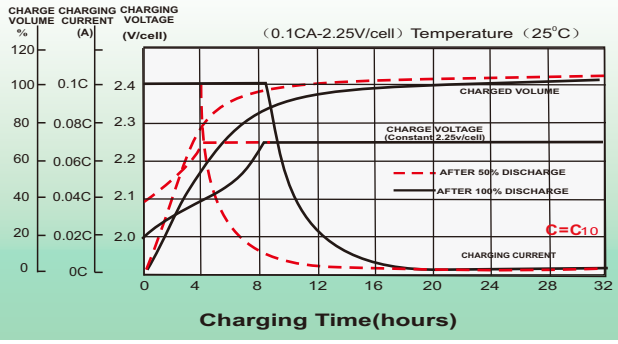




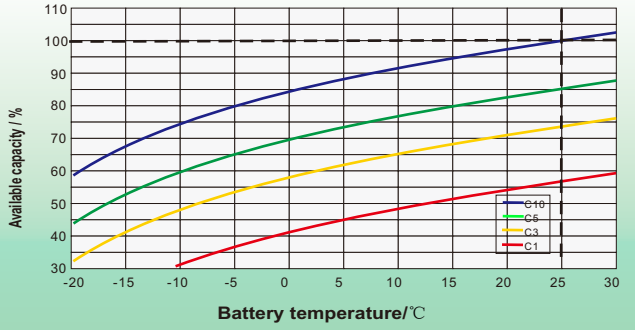
Discharge Characteristics



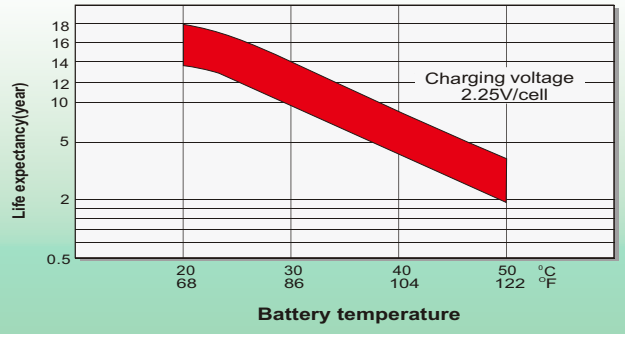
Float Charging Characteristics



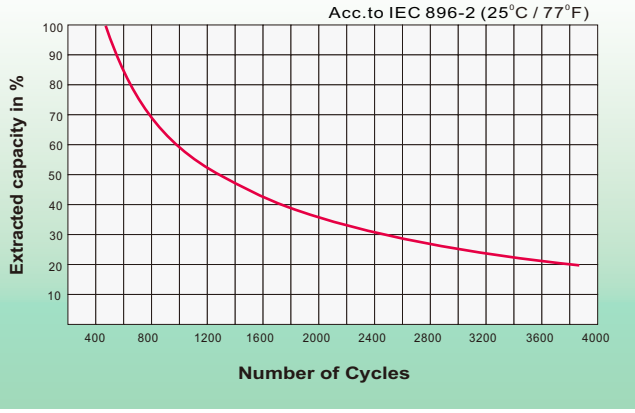
Temperature Effects in Relation to Battery Capacity



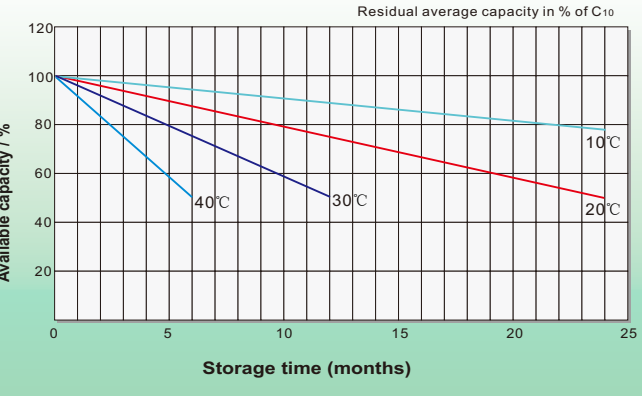
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



Sales Office

North America sales office:

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.us

China sales office:

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

Singapore sales office:

No. 1 Tech Park Crescent,
Singapore 638131
Tel: +65 68416629
Fax: +65 68443210
Email sales.sg@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

Europe sales office:

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

Publication No.:LB-LPG-12-16