LPL SERIES-Long Life Standby

LPL6-11 (6V11AH)

Specification

Nomial Voltage	6V
Nomial Capacity(10HR)	11.0AH
Dimension	Length 151±1mm (5.95 inches) Width 51±1mm (2.01 inches) Container Height 94±1mm (3.70 inches) Total Height (with Terminal) 100±1mm (3.94 inches)
Approx Weight	Approx 1.95 Kg (4.30 lbs)
Terminal	T1 / T2
Container Material	ABS
Rated Capacity	11.66AH/5.83A (20hr ,1.80V/cell,25°C/77°F) 11.0 AH/11.0A (10hr,1.80V/cell,25°C/77°F) 9.54 AH/1.91A (5hr,1.75V/cell,25°C/77°F) 8.70 AH/2.90A (3hr,1.75V/cell,25°C/77°F) 6.77 AH/6.77A (1hr,1.60V/cell,25°C/77°F)
Max. Discharge Current	165A (5s)
Internal Resistance	Approx 15.0mΩ
Operating Temp.Range	Discharge : -15~50°C (5~122°F) Charge : 0~40°C (32~104°F) Storage : -15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less than3.3A.Voltage 7.2V~7.5V at 25°C(77°F)Temp. Coefficient -15mV/°C
Standby Use	No limit on Initial Charging Current Voltage 6.75V~6.9V at 25°C(77°F)Temp. Coefficient -10mV/°C
Capacity affected by Temperature	40°C (104°F) 103% 25°C (77°F) 100% 0°C (32°F) 86%
Self Discharge	Leoch LPL series batterys may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Applications

- *UPS and EPS*
- *Emergency light*
- *Railway signal and aircraft signal system*
- *Marine and power stations*
- *Alarm and security system*
- *Electronic apparatus and equipment*
- *Communication power supply, DC power supply*

VdS Intertek ETL SEMKO MH26866 ISO14001 ISO9001 CE EMC tested

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	14.2	11.8	10.1	8.24	6.23	5.23	3.34	2.64	2.14	1.73	1.52	1.22	1.04	0.578
1.80V/cell	18.1	14.3	11.9	9.73	7.25	5.86	3.64	2.84	2.29	1.86	1.63	1.29	1.10	0.583
1.75V/cell	19.9	15.6	12.8	10.1	7.53	6.13	3.78	2.90	2.34	1.91	1.67	1.31	1.11	0.589
1.70V/cell	21.7	16.7	13.5	10.5	7.83	6.32	3.93	2.98	2.40	1.96	1.71	1.33	1.12	0.600
1.65V/cell	23.4	17.7	14.3	11.1	8.02	6.53	4.04	3.10	2.48	2.01	1.75	1.35	1.15	0.607
1.60V/cell	25.4	19.0	15.3	11.7	8.36	6.77	4.17	3.20	2.56	2.08	1.78	1.37	1.16	0.611

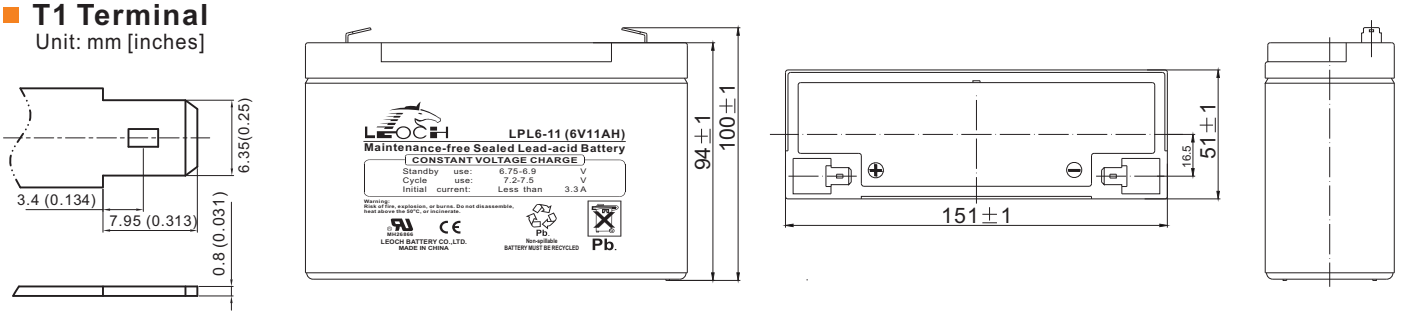
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	26.7	22.5	19.4	16.0	12.2	10.27	6.60	5.25	4.26	3.46	3.04	2.44	2.09	1.164
1.80V/cell	33.7	26.8	22.6	18.6	14.1	11.4	7.15	5.61	4.53	3.69	3.25	2.59	2.21	1.174
1.75V/cell	36.5	29.0	24.1	19.2	14.5	11.9	7.39	5.69	4.62	3.78	3.33	2.62	2.23	1.183
1.70V/cell	38.9	30.5	25.1	19.8	15.0	12.3	7.67	5.84	4.73	3.87	3.39	2.66	2.25	1.205
1.65V/cell	41.6	32.2	26.5	20.7	15.2	12.6	7.84	6.06	4.87	3.96	3.46	2.69	2.29	1.219
1.60V/cell	44.1	33.9	27.9	21.8	15.8	13.0	8.06	6.22	5.01	4.08	3.52	2.71	2.32	1.223

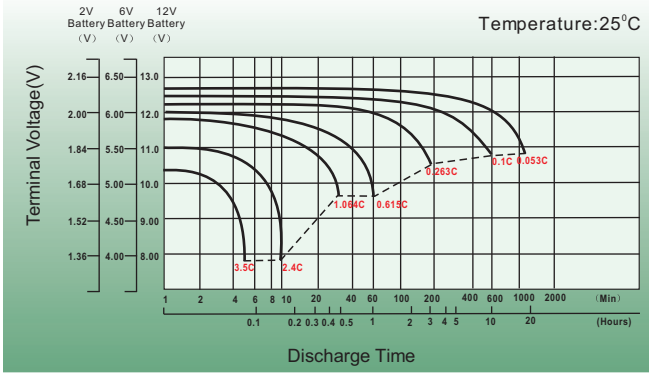
Dimensions

T1 Terminal

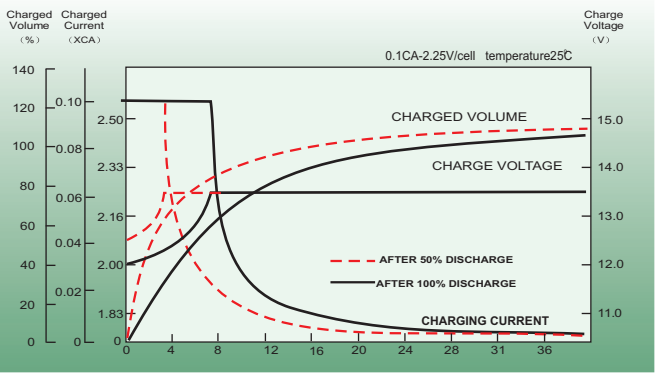
Unit: mm [inches]



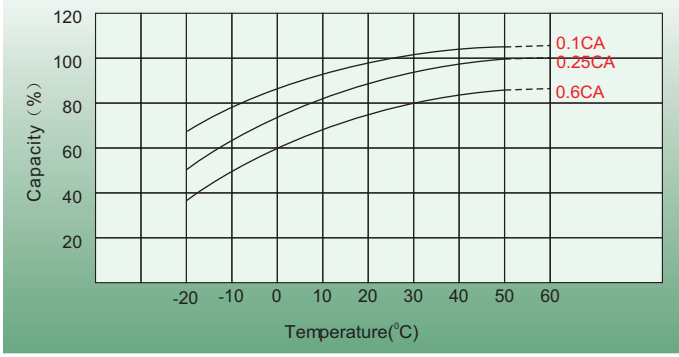
Discharge Characteristics



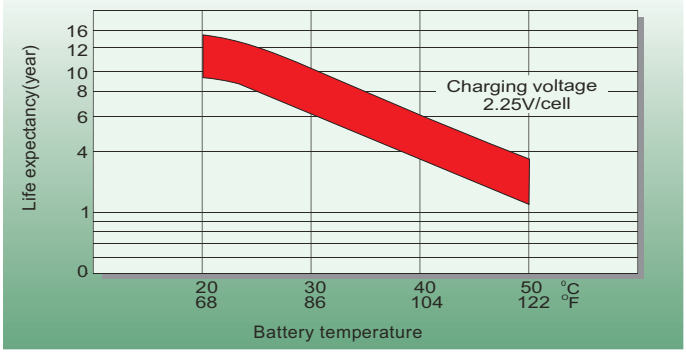
Float Charging Characteristics

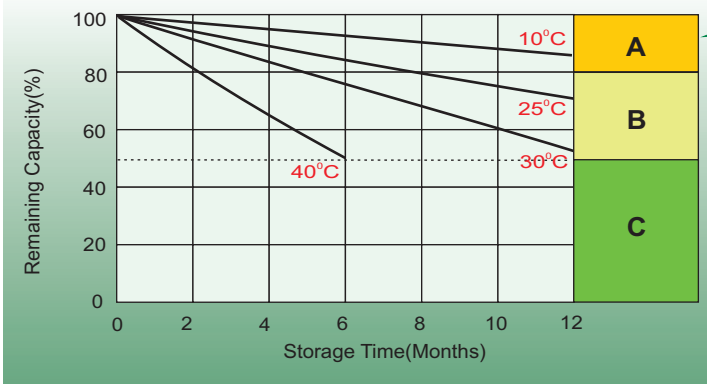


Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life





Self Discharge Characteristics

A No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required.)

B Supplementary charge required before use.Optional charging way as below:
1.Charged for above 3 days at limted current 0.25CA and constant volatge 2.25V/cell.
2.Charged for above 20hours at limted current 0.25CA and constant volatge 2.45V/cell.
3.Charged for 8~10hours at limted current 0.05CA .

C Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

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

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.us

Europe sales office:

Add: LaCampagna House. Main Road.
Gloucester. GL2-8JH. United Kingdom
Tel: +44(0) 1452 751016
E-mail:Sales.Europe@leoch.com
Http://www.leoch.com