LPL SERIES-Long Life Standby

LPL2-1200 (2V1200AH)

Specification

Nomial Voltage	2V
Nomial Capacity(10HR)	1200.0AH
Dimension	Length 475±3mm (18.70 inches) Width 175±3mm (6.89 inches) Container Height 328±3mm (12.91 inches) Total Height (with Terminal) 350±3mm (13.78 inches)
Approx Weight	Approx 74.6 Kg (164.5lbs)
Terminal	T11
Container Material	ABS
Rated Capacity	1284.0 AH/64.2A (20hr ,1.80V/cell,25°C/77°F) 1200.0 AH/120.0A (10hr,1.80V/cell,25°C/77°F) 1044.0 AH/208.8A (5hr,1.75V/cell,25°C/77°F) 936.0 AH/312.0A (3hr,1.75V/cell,25°C/77°F) 744.0 AH/744.0A (1hr,1.60V/cell,25°C/77°F)
Max. Discharge Current	9600A (5s)
Internal Resistance	Approx 0.4mΩ
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 than 360.0A.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 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

- *Tele-communication central station (wired or cellular)*
- *Power system communication, military communication, etc.*
- *Network communication including: data transmission, television signal transmission, etc.*
- *Uninterruptable Power System (UPS- for Telecom)*
- *EPS*

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	1404.0	1180.8	1047.6	868.8	670.4	573.6	371.4	279.2	228.8	192.5	168.6	135.3	116.3	62.0
1.80V/cell	1606.5	1326.0	1158.2	943.6	723.2	605.5	399.2	300.0	243.2	204.0	178.7	142.4	120.0	64.2
1.75V/cell	1824.6	1494.4	1280.0	1025.4	788.8	660.0	415.2	312.0	251.6	208.8	184.2	147.1	123.2	65.8
1.70V/cell	\	1658.0	1412.9	1119.5	849.6	698.4	437.4	328.4	262.8	220.8	193.1	153.3	128.0	67.5
1.65V/cell	\	1775.2	1503.1	1181.4	899.2	722.4	453.5	341.6	273.2	227.8	199.8	158.5	131.5	69.6
1.60V/cell	\	\	1632.9	1260.6	934.4	744.0	465.0	350.4	279.2	233.3	204.0	161.3	134.3	70.7

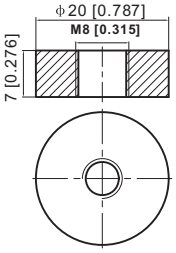
Constant Power Discharge (Watts) at 25 °C (77°F)

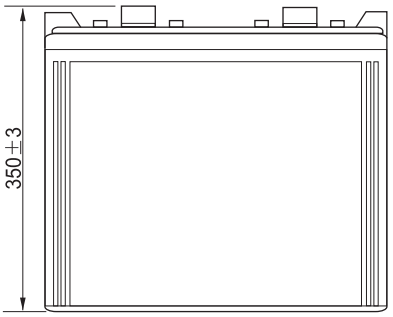
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2621.5	2227.0	1995.7	1673.3	1302.1	1117.9	728.7	549.9	451.8	381.2	334.8	269.8	232.4	124.1
1.80V/cell	2964.8	2467.5	2174.3	1789.9	1393.8	1173.8	778.1	587.5	477.7	402.1	353.4	283.1	239.5	128.3
1.75V/cell	3313.9	2747.2	2380.2	1929.1	1505.8	1273.7	806.2	608.6	492.5	410.2	363.3	291.9	245.7	131.4
1.70V/cell	\	3006.0	2607.7	2094.6	1615.9	1343.5	847.6	639.4	513.6	433.1	380.2	303.9	254.9	134.6
1.65V/cell	\	3194.0	2753.7	2192.5	1695.0	1379.8	873.7	662.3	531.9	445.2	392.2	313.4	261.6	138.6
1.60V/cell	\	\	2959.2	2323.4	1752.0	1413.6	891.6	676.3	542.0	454.5	399.2	318.1	266.7	140.7

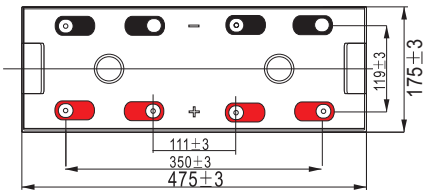
Dimensions

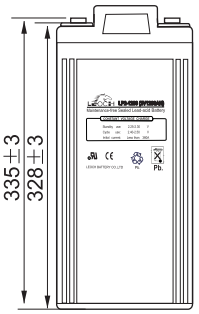
T11 Terminal

Unit: mm [inches]

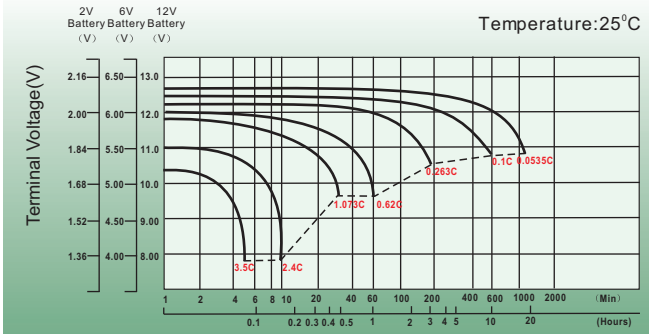




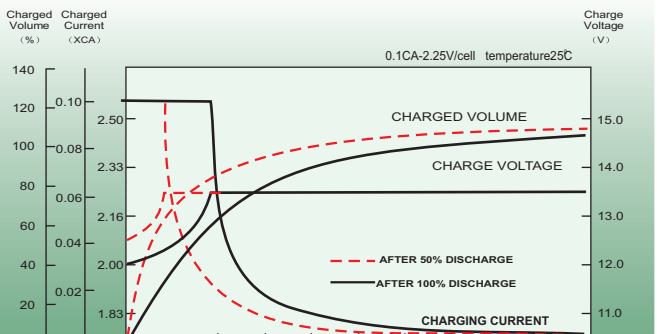




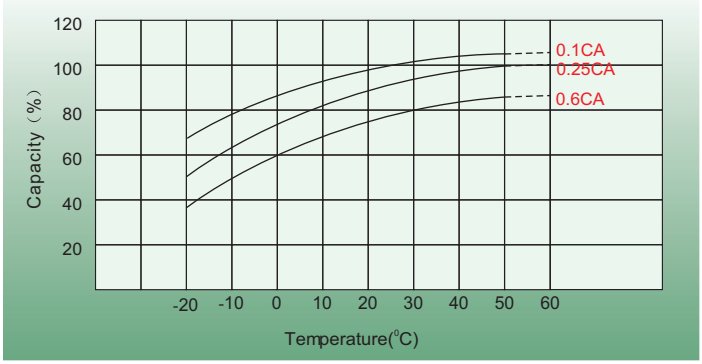
Discharge Characteristics



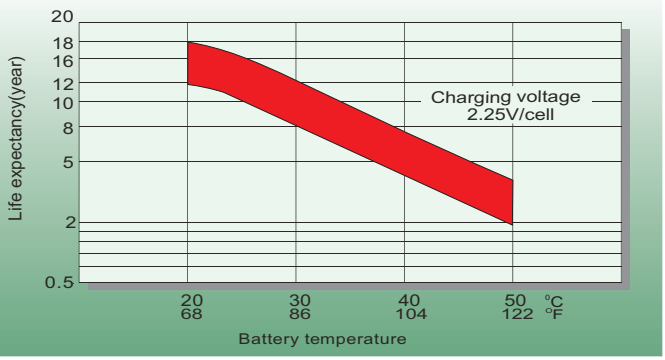
Float Charging Characteristics

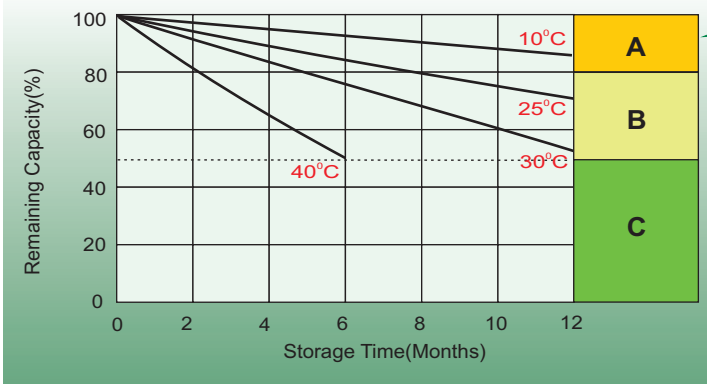


Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life





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

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