LPF SERIES-Front Terminal

LPF12-150B (12V150AH)

Specification

Nomial Voltage	12V
Nomial Capacity(8HR)	150.0AH
Dimension	Length 560±2mm (22.05 inches) Width 110±2mm (4.33 inches) Container Height 280±2mm (11.02 inches) Total Height (with Terminal) 280±2mm (11.02 inches)
Approx Weight	Approx 46.0 Kg (101.4 lbs)
Terminal	T13
Container Material	ABS
Rated Capacity	165.0 AH/8.25A (20hr ,1.80V/cell,25°C/77°F) 155.7 AH/15.57A (10hr,1.80V/cell,25°C/77°F) 150.0 AH/18.75A (8hr,1.80V/cell,25°C/77°F) 141.7 AH/28.34A (5hr,1.75V/cell,25°C/77°F) 103.8 AH/103.8A (1hr,1.67V/cell,25°C/77°F)
Max. Discharge Current	1200A (5s)
Internal Resistance	Approx 3.0mΩ
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 than 45.0A.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 LPF 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

- *For standard 19 inches or 23 inches power cabinets*
- *Network connection equipment of communication system*
- *Power system of special network or local area network*
- *UPS, standby power supply*
- *Power station systems*
- *Railway and marine systems*

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	260.9	217.5	186.6	146.4	113.5	92.3	55.0	39.6	31.8	26.3	22.9	17.85	14.89	7.89
1.80V/cell	295.8	242.4	206.6	160.2	122.1	98.5	58.0	42.2	33.5	27.7	24.1	18.75	15.57	8.25
1.75V/cell	324.6	262.3	220.4	168.3	126.8	102.0	59.2	42.8	34.3	28.3	24.5	18.98	15.75	8.37
1.70V/cell	347.2	276.3	229.3	173.2	129.7	103.4	60.0	43.3	34.5	28.5	24.8	19.25	15.90	8.43
1.67V/cell	359.3	283.1	234.1	175.4	130.2	103.8	60.2	43.5	34.8	28.8	25.1	19.50	16.05	8.48
1.60V/cell	377.7	294.0	244.5	179.9	133.6	106.5	61.2	44.4	35.6	29.6	25.5	19.95	16.35	8.52

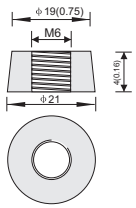
Constant Power Discharge (Watts) at 25 °C (77°F)

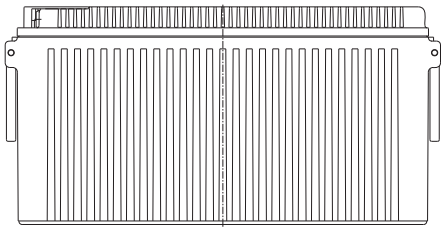
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	487.1	410.2	355.5	281.9	220.4	179.8	108.0	78.0	62.8	52.2	45.5	35.6	29.8	15.78
1.80V/cell	545.8	451.0	387.8	303.8	235.3	190.9	113.1	82.6	65.8	54.6	47.6	37.3	31.1	16.48
1.75V/cell	589.5	482.2	409.9	316.6	242.0	196.8	114.9	83.5	67.2	55.7	48.2	37.6	31.4	16.70
1.70V/cell	616.5	500.9	423.2	324.1	246.7	198.8	116.2	84.2	67.5	55.8	48.7	38.1	31.7	16.81
1.67V/cell	635.4	511.2	430.2	327.6	246.8	199.2	116.4	84.5	67.9	56.4	49.2	38.6	31.9	16.88
1.60V/cell	649.5	520.3	443.1	331.5	250.5	202.4	117.3	85.7	69.0	57.6	49.9	39.4	32.5	16.95

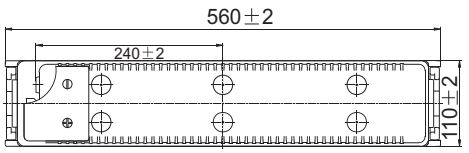
Dimensions

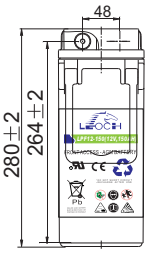
T13 Terminal

Unit: mm [inches]

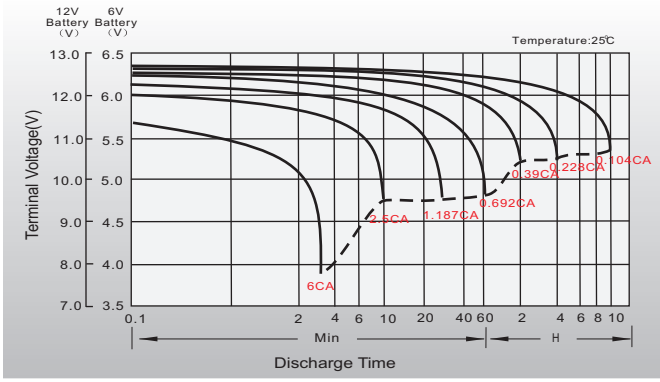




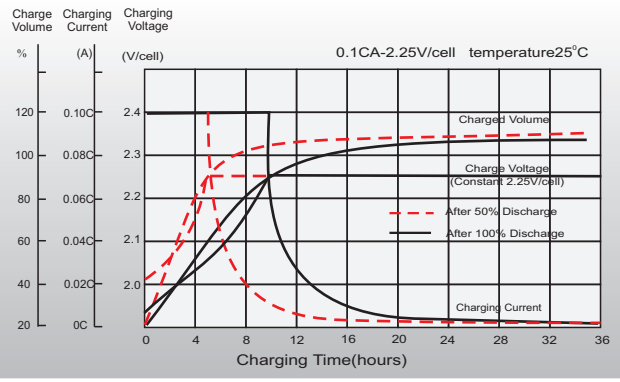




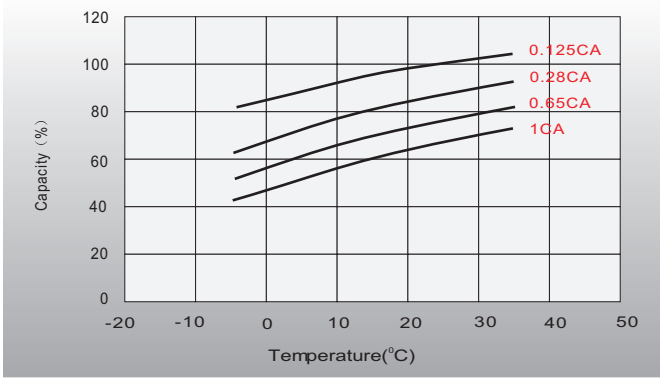
Discharge Characteristics



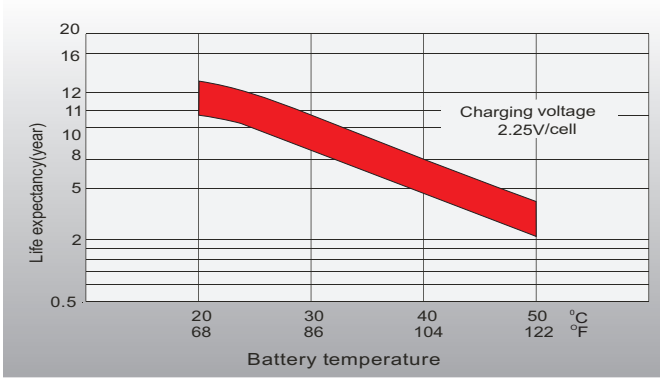
Float Charging Characteristics

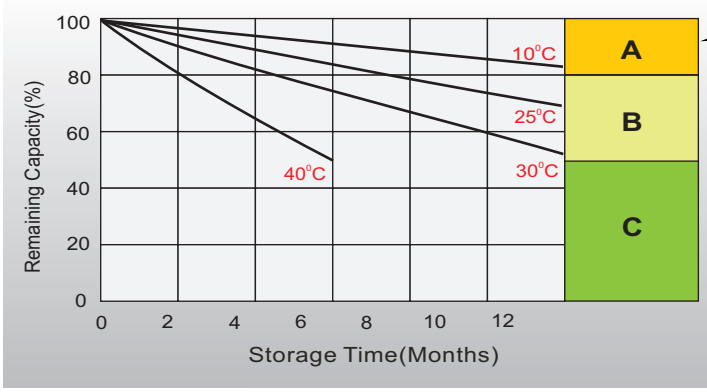


Temperature Effects in Relation to Battery Capacity



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