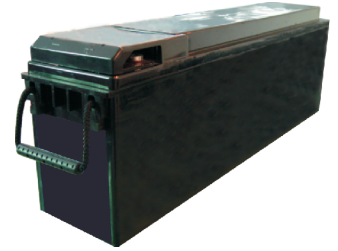


LPF SERIES-Front Terminal

LPF12-75 (12V75AH)

Specification

Nominal Voltage	12V	
Nominal Capacity(8HR)	75.0AH	
Dimension	Length	564±2mm (22.20 inches)
	Width	114±2mm (4.49 inches)
	Container Height	187±2mm (7.36 inches)
	Total Height (with Terminal)	187±2mm (7.36 inches)
Approx Weight	Approx 26.0 Kg (57.3 lbs)	
Terminal	T6	
Container Material	ABS	
Rated Capacity	82.5AH/4.12A	(20hr, 1.80V/cell, 25°C/77°F)
	77.9AH/7.79A	(10hr, 1.80V/cell, 25°C/77°F)
	75.0AH/9.38A	(8hr, 1.80V/cell, 25°C/77°F)
	70.9AH/14.2A	(5hr, 1.75V/cell, 25°C/77°F)
	51.9AH/51.9A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	750A (5s)	
Internal Resistance	Approx 5.0mΩ	
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 22.5A. 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 batteries 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	130.4	108.7	93.3	73.2	56.8	46.1	27.5	19.8	15.9	13.2	11.5	8.92	7.44	3.94
1.80V/cell	147.9	121.2	103.3	80.1	61.1	49.2	29.0	21.1	16.7	13.9	12.0	9.38	7.79	4.12
1.75V/cell	162.3	131.1	110.2	84.2	63.4	51.0	29.6	21.4	17.2	14.2	12.2	9.49	7.88	4.19
1.70V/cell	173.6	138.1	114.7	86.6	64.8	51.7	30.0	21.6	17.3	14.3	12.4	9.62	7.95	4.22
1.67V/cell	179.6	141.6	117.0	87.7	65.1	51.9	30.1	21.8	17.4	14.4	12.5	9.75	8.03	4.24
1.60V/cell	188.8	147.0	122.3	89.9	66.8	53.3	30.6	22.2	17.8	14.8	12.8	9.98	8.18	4.26

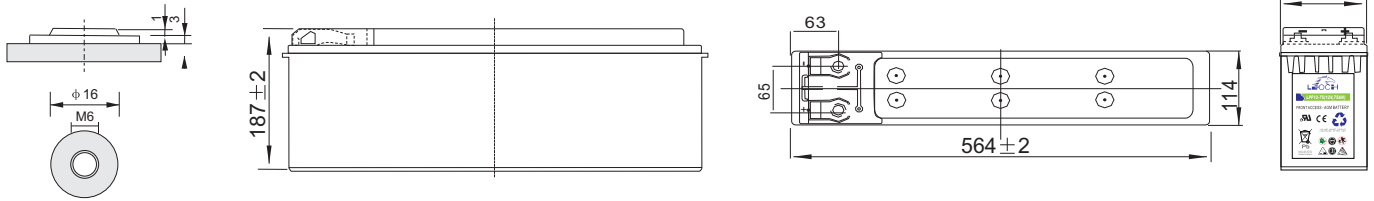
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	243.6	205.1	177.8	140.9	110.2	89.9	54.0	39.0	31.4	26.1	22.8	17.8	14.9	7.89
1.80V/cell	272.9	225.5	193.9	151.9	117.7	95.5	56.6	41.3	32.9	27.3	23.8	18.6	15.5	8.24
1.75V/cell	294.7	241.1	204.9	158.3	121.0	98.4	57.4	41.8	33.6	27.8	24.1	18.8	15.7	8.35
1.70V/cell	308.2	250.4	211.6	162.1	123.3	99.4	58.1	42.1	33.8	27.9	24.4	19.1	15.8	8.41
1.67V/cell	317.7	255.6	215.1	163.8	123.4	99.6	58.2	42.3	34.0	28.2	24.6	19.3	16.0	8.44
1.60V/cell	324.8	260.2	221.6	165.7	125.3	101.2	58.7	42.8	34.5	28.8	25.0	19.7	16.2	8.47

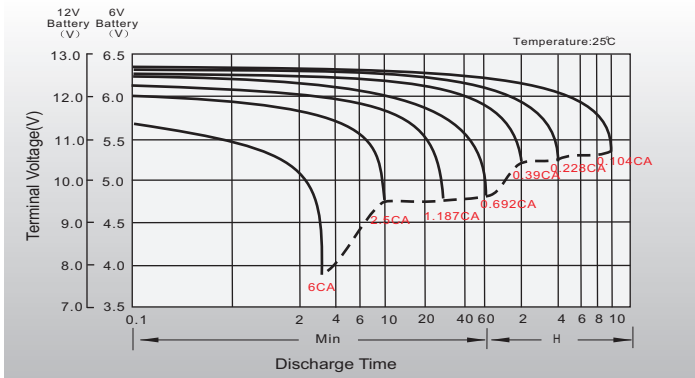
Dimensions

T6 Terminal

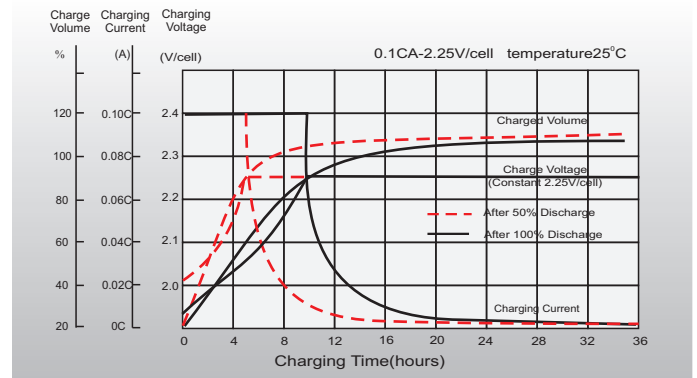
Unit: mm



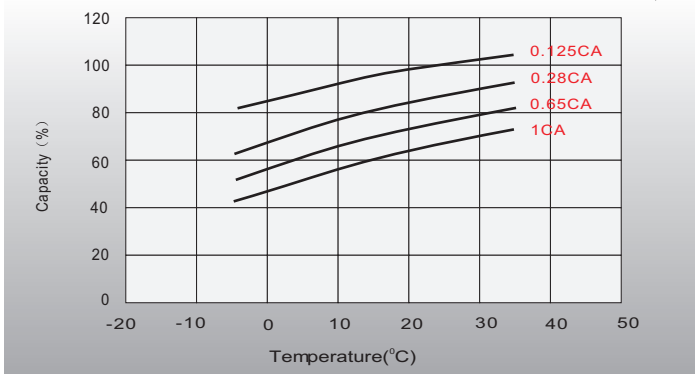
Discharge Characteristics



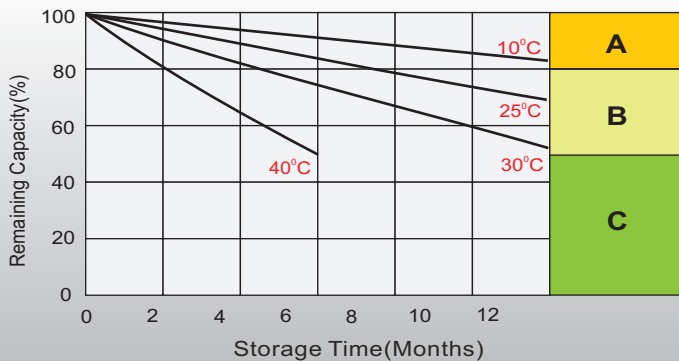
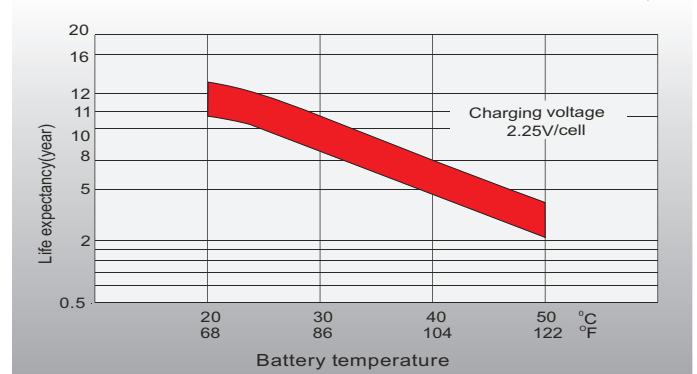
Float Charging Characteristics



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 limited current 0.25CA and constant volatge 2.25V/cell.
 2. Charged for above 20hours at limited current 0.25CA and constant volatge 2.45V/cell.
 3. Charged for 8~10hours at limited current 0.05CA .
- C** Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

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