



LPF Series-Front Terminal

LPF12-200(12V200Ah)

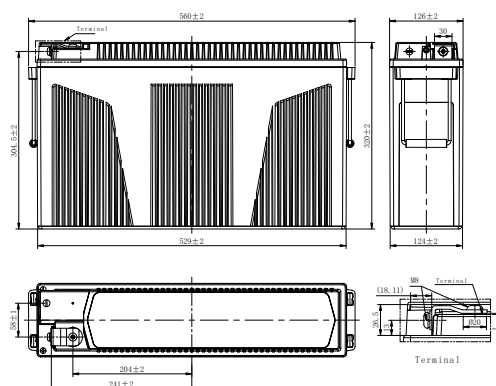


Specifications

Rated Voltage	12V	
Nominal Capacity	$C_{10}, 1.80V/cell$	200.0Ah
Dimension	Length	560±2mm (22.05 inches)
	Width	126±2mm (4.96 inches)
	Container Height	320±2mm (12.60 inches)
	Total Height	320±2mm (12.60 inches)
Approx Weight	61.0 Kg (134.5 lbs)	
Terminal	M8	
Container Material	ABS	
Rated Capacity (25°C)	210.0 Ah	(20hr, 10.5A, 1.80V/cell)
	200.0 Ah	(10hr, 20.0A, 1.80V/cell)
	195.2 Ah	(8hr, 24.4A, 1.75V/cell)
	175.0 Ah	(5hr, 35.0A, 1.75V/cell)
	123.9 Ah	(1hr, 123.9A, 1.60V/cell)
Max. Discharge Current	2000A (5s)	
Internal Resistance (25°C)	Approx 4.0mΩ	
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 60.0A. Voltage 14.1V~14.4V at 25°C(77°F)Temp. Coefficient -30mV/°C	
	Initial Charging Current less than 60.0A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Standby Use	Initial Charging Current less than 60.0A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	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.	



Layout



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	287.5	256.2	226.7	185.7	128.5	97.3	63.3	47.7	38.0	31.8	28.7	22.4	18.7	9.80
1.80V/cell	334.0	298.0	252.9	199.6	140.1	107.6	68.8	51.6	41.0	34.2	29.5	23.7	20.0	10.5
1.75V/cell	368.6	315.2	269.6	207.6	145.3	111.3	70.9	53.0	42.0	35.0	29.9	24.4	20.3	10.7
1.70V/cell	392.5	333.1	280.4	214.7	150.7	115.7	73.2	54.6	43.1	35.8	30.3	24.9	20.6	10.8
1.67V/cell	410.4	343.6	286.3	219.1	153.8	118.1	74.4	55.4	43.7	36.2	30.6	25.1	20.8	10.9
1.60V/cell	428.3	368.0	294.7	223.5	159.2	123.9	77.5	57.4	45.1	37.4	31.2	25.7	21.3	11.2

Constant Power Discharge (Watts/cell) 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	536.8	491.0	431.8	357.7	248.3	188.6	123.3	93.3	74.5	62.4	57.1	44.2	37.0	19.8
1.80V/cell	616.5	565.0	474.8	378.7	268.0	207.3	133.5	100.6	80.0	67.0	58.3	46.6	40.0	21.0
1.75V/cell	669.5	591.5	501.3	390.5	275.8	212.9	136.8	102.8	81.7	68.3	59.0	48.0	40.0	21.2
1.70V/cell	696.9	618.1	517.4	401.8	284.3	219.8	140.5	105.3	83.5	69.7	59.7	48.7	40.5	21.4
1.67V/cell	725.8	639.2	526.3	409.1	289.1	223.3	142.3	106.6	84.5	70.4	60.1	49.2	40.8	21.5
1.60V/cell	736.6	666.4	534.0	411.9	295.8	231.9	147.2	109.9	86.8	72.2	60.4	50.2	41.6	21.9



LPF Series-Front Terminal

LPF12-200(12V200Ah)



Applications

- UPS
- For standard power cabinet
- Network connection equipment of communication system
- Power system of special network of local area network
- Power station systems

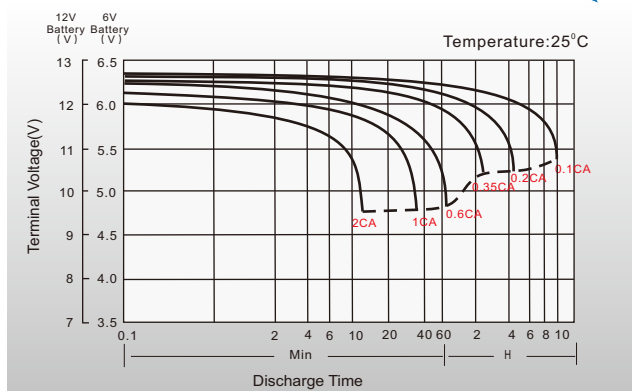
General Features

- 12 years design life(25°C)
- Specifically ideal for 19 inches or 23 inches power cabinets
- Front terminals make the installation, maintenance and supervision easy
- Shield designs protect terminals from short circuit and show good appearance
- Unique vent valve design: reduce water losing and prevent air/spark going inside

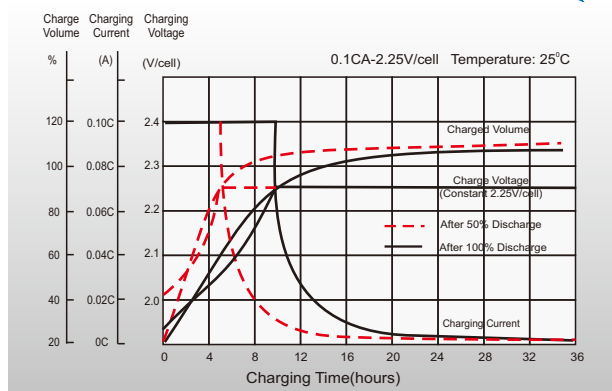
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch@IATF16949, ISO 45001,ISO 9001 and ISO 14001 certified production facilities

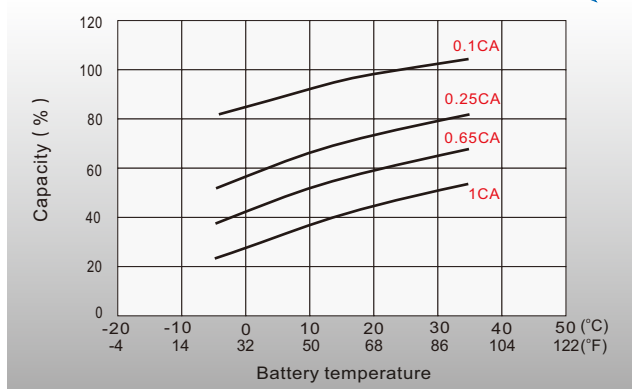
Discharge Characteristics



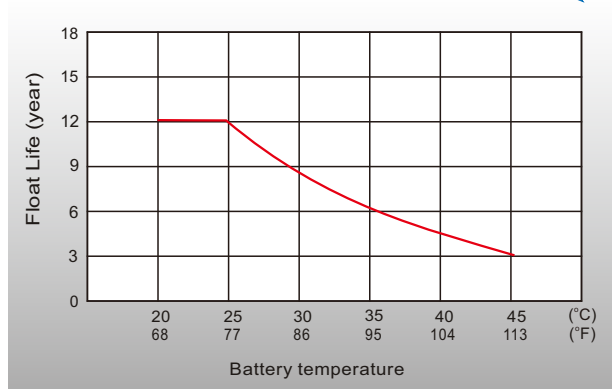
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Sales Offices Worldwide

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:expport@leoch.com

Singapore Sales Office

No. 1 Tech Park Crescent,
Singapore 638131
Tel: +65 68636078
Fax: +65 6863 6079
Email: sales.sg@Leoch.com

EMEA Sales Office

1 Deligiorgi St., 121 31 Athens,
Greece
Tel: +30 210 5760318 (2 lines)
E-mail: support_EMEA@leoch.com
Http://www.leoch.eu

