



Specification

Nominal Voltage	12V	
Nominal Capacity(8HR)	200.0AH	
Dimension	Length	522±3mm (20.55 inches)
	Width	240±2mm (9.45 inches)
	Container Height	218±2mm (8.58 inches)
	Total Height (with Terminal)	224±2mm (8.81 inches)
Approx Weight	Approx 62.5 kg (137.8lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	204.0 AH/20.4A	(10hr, 1.80V/cell, 25°C/77°F)
	200.0 AH/25.0A	(8hr, 1.75V/cell, 25°C/77°F)
	178.0 AH/35.6A	(5hr, 1.75V/cell, 25°C/77°F)
	162.0 AH/54.0A	(3hr, 1.75V/cell, 25°C/77°F)
	131.4 AH/131.4A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	2000A (5s)	
Internal Resistance	Approx 2.7mΩ	
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	
	14.4V~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 LPX 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

- ◆ UPS (High rate)
- ◆ High power backup supply
- ◆ Emergency power supply
- ◆ Starting system
- ◆ Power tools
- ◆ Emergency lighting
- ◆ Electric starting



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	383.3	295.6	249.7	218.2	162.0	123.4	101.6	63.7	49.3	39.4	32.3	28.0	23.2	19.2	10.72
1.80V/cell	\	377.7	301.6	257.9	191.1	143.6	113.8	69.6	53.0	42.1	34.7	30.0	24.6	20.4	10.84
1.75V/cell	\	415.0	329.5	277.5	198.4	149.0	119.0	72.1	54.0	43.0	35.6	30.8	25.0	20.6	10.94
1.70V/cell	\	452.4	351.7	291.6	206.5	154.9	122.8	75.0	55.5	44.1	36.5	31.4	25.4	20.8	11.14
1.65V/cell	\	488.2	374.0	309.8	217.9	158.8	126.9	77.1	57.9	45.7	37.5	32.1	25.8	21.2	11.28
1.60V/cell	\	\	400.0	330.0	230.0	165.5	131.4	79.7	59.6	47.1	38.8	32.8	26.0	21.4	11.34

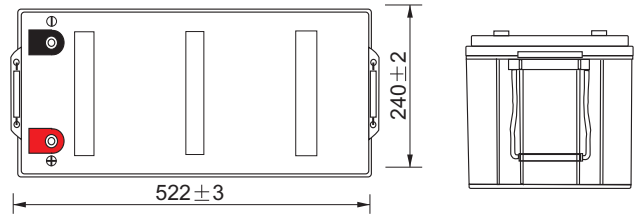
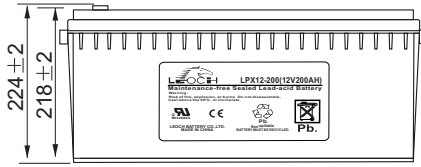
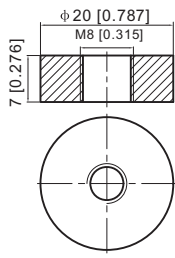
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	700.9	546.0	465.9	411.3	308.7	237.2	195.9	123.7	96.1	77.0	63.3	55.0	45.7	38.0	21.2
1.80V/cell	\	689.5	555.3	479.1	358.7	273.8	218.3	134.2	102.8	81.8	67.7	58.7	48.4	40.2	21.4
1.75V/cell	\	745.5	599.1	510.4	369.3	281.4	227.3	138.6	104.3	83.3	69.2	60.1	49.1	40.6	21.6
1.70V/cell	\	794.1	630.7	532.4	382.3	291.6	233.7	143.8	106.9	85.4	70.9	61.3	49.7	40.9	22.0
1.65V/cell	\	849.2	665.5	561.4	399.9	296.1	239.8	147.0	111.1	88.0	72.6	62.4	50.4	41.7	22.2
1.60V/cell	\	\	699.9	591.5	419.3	307.0	247.0	151.2	113.9	90.5	74.7	63.6	50.8	42.1	22.3

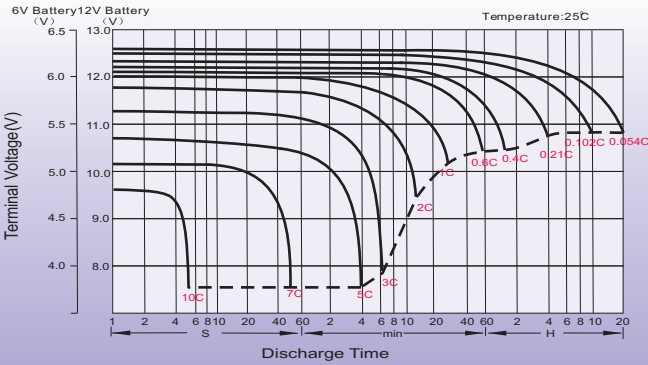
Dimensions

T11 Terminal

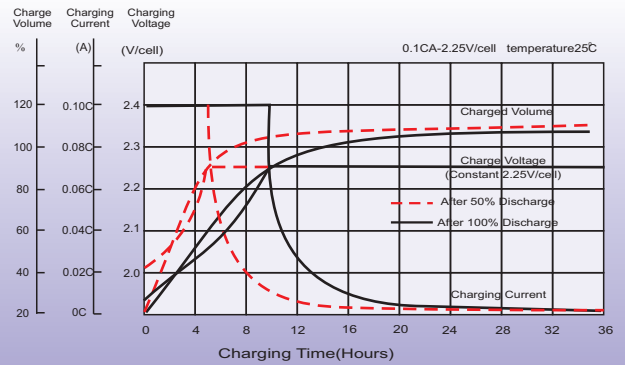
Unit: mm [inches]



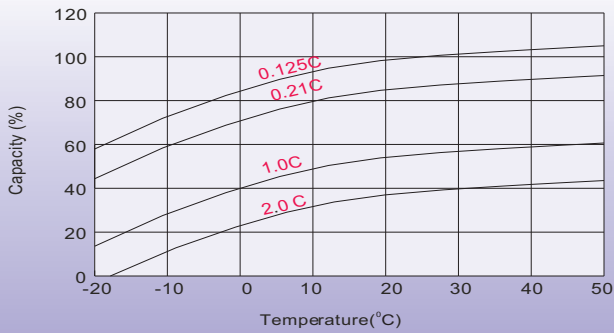
Discharge Characteristics



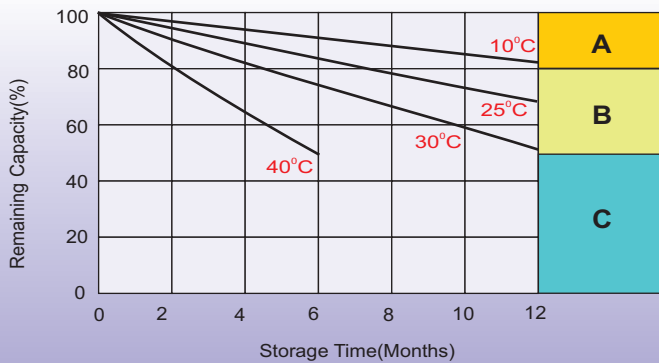
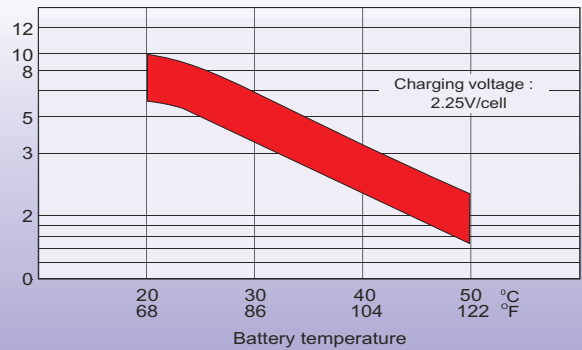
Float Charging Characteristics



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 limited current 0.25CA and constant voltage 2.25V/cell.
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
 3. Charged for 8-10 hours 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.

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