

# VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

## LC-X1220P/LC-X1220AP



(a) The photo and dimensions represent LC-X1220P.

### Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		20Ah
Dimensions	Length	7.126 inches (181.0 mm)
	Width	2.992 inches (76.0 mm)
	Height	6.575 inches (167.0 mm)
	Total Height	6.575 inches (167.0 mm)
Approx. mass		14.56 lbs. (6.6 kg)
Standard Terminals and Resin	UL94HB M5 Bolt and Nut	LC-X1220P
Optional Terminals and Resin	UL94HB M5 Threaded Post	◆ LC-X1220AP

◆ Please contact Panasonic for availability on optional items. Optional items may be subject to minimum order quantities.

### Characteristics

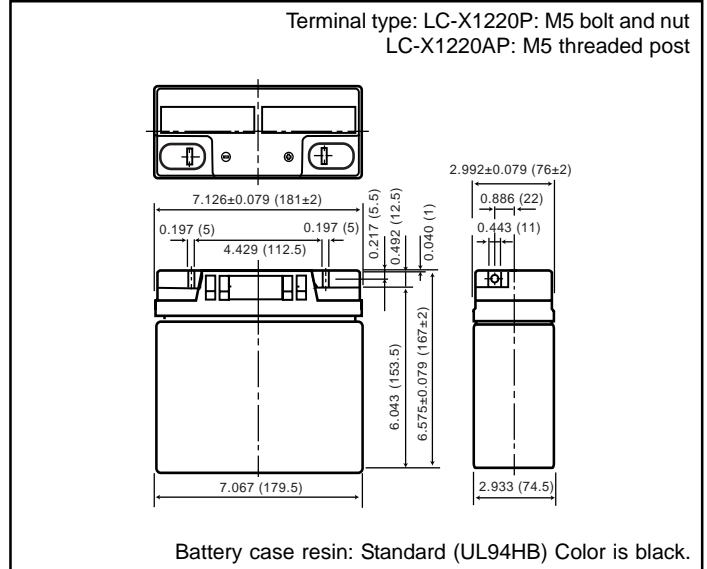
Capacity (note) 77°F (25°C)	20 hour rate (1.2A)	20Ah	
	10 hour rate (2.2A)	18Ah	
Internal Resistance	5 hour rate (3.8A)	16Ah	
	1 hour rate (14A)	12Ah	
Temperature dependency of capacity (20 hour rate)	1.5 hour rate discharge Cut-off voltage 10.5 V	9.8A	
	Fully charged battery 77°F (25°C)	Approx. 11mΩ	
Self discharge 77°F (25°C)	104°F (40°C)	102%	
	77°F (25°C)	100%	
	32°F (0°C)	85%	
Charge Method (Constant Voltage)	5°F (-15°C)	65%	
	Cycle use (Repeating use)	Residual capacity after standing 3 months	91%
		Residual capacity after standing 6 months	82%
Trickle use	Residual capacity after standing 12 months	64%	
	Initial current	8 A or smaller	
Control voltage		14.5 V to 14.9 V (per 12V cell 25°C)	
	Initial current	3 A or smaller	
Control voltage		13.6V to 13.8V (per 12V cell 25°C)	

(Note) The above characteristics data are average values obtained within three charge/discharge. Cycles not the minimum values.

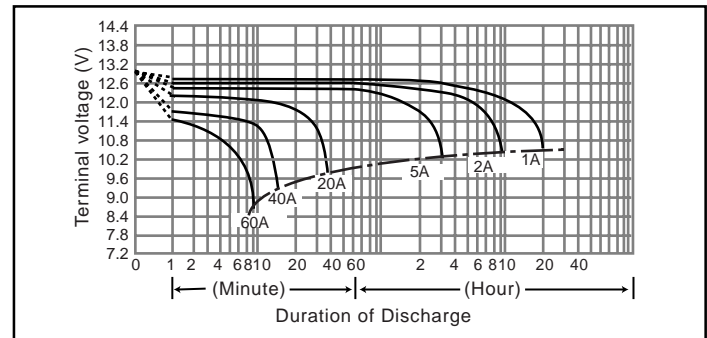
(Note) For cycle use of the battery, please contact us in advance.

For main and standby power supplies. Expected trickle life: Approx. 6 years at 25°C, Approx. 10 years at 20°C.

### Dimensions (mm)



### Discharge characteristics 77°F (25°C) (Note)



### Duration of discharge vs. Discharge current (Note)

