

VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

LC-X1220P/LC-X1220AP



Photo/Label for reference only.

(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

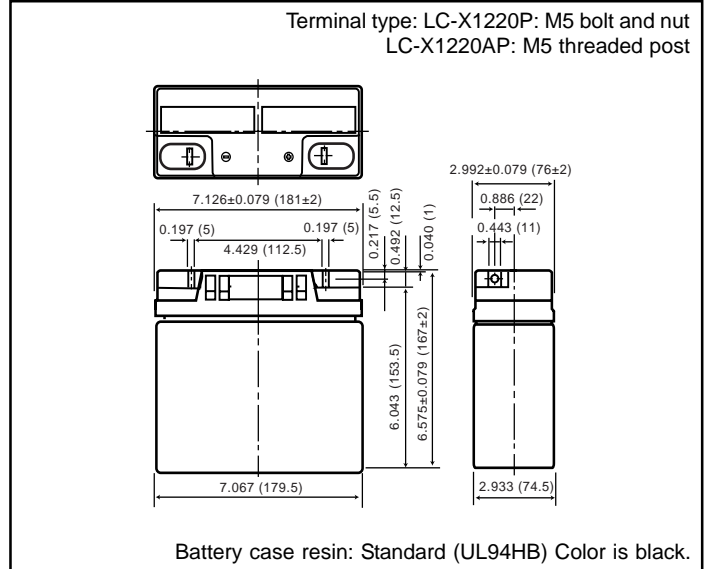
Capacity (note) 77°F (25°C)	20 hour rate (1.2A)	20Ah
	10 hour rate (2.2A)	18Ah
Internal Resistance	5 hour rate (3.8A)	16Ah
	1 hour rate (14A)	12Ah
Temperature dependency of capacity (20 hour rate)	1.5 hour rate discharge Cut-off voltage 10.5 V	9.8A
	Fully charged battery 77°F (25°C)	Approx. 11mΩ
Self 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%
	Residual capacity after standing 3 months	91%
Cycle use (Repeating use)	Residual capacity after standing 6 months	82%
	Residual capacity after standing 12 months	64%
Trickle use	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.

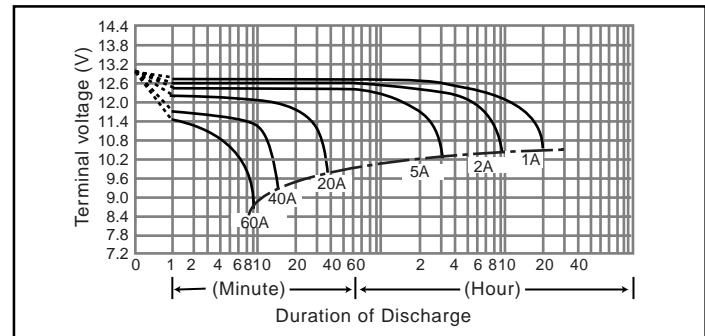
(Note) For cycle use of the battery, please contact us in advance.

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

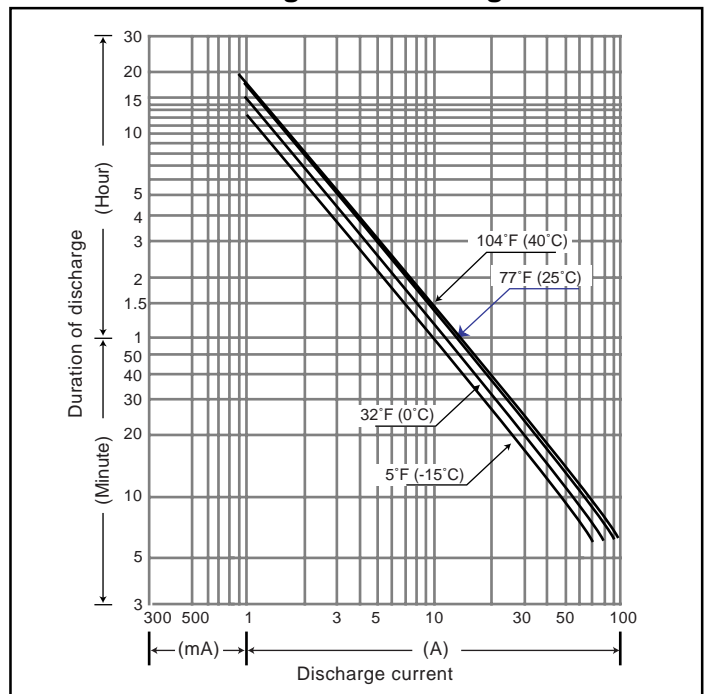
Dimensions (mm)



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



Duration of discharge vs. Discharge current (Note)



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