

VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

LC-X1242P/LC-X1242AP



Photo/Label for reference only.

(a) The photo and dimensions represent LC-X1242AP

Specifications

Nominal voltage		12V
Rated capacity (20 hour rate)		42Ah
Dimensions	Length	7.756 inches (197 mm)
	Width	6.496 inches (165 mm)
	Height	6.890 inches (175 mm)
	Total Height	LC-X1224AP: 6.890 inches (175 mm) LC-X1224P: 7.087 inches (180 mm)
Approx. mass		35.2 lbs (16.0 kg)
Standard Terminals and Resin	UL94HB M6 Bolt and Nut	LC-X1242P
	UL94HB M5 Threaded Post	LC-X1242AP
Optional Terminals and Resin	UL94V-0 M6 Bolt and Nut	◆ LC-P1242P
	UL94V-0 M5 Threaded Post	◆ LC-P1242AP

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

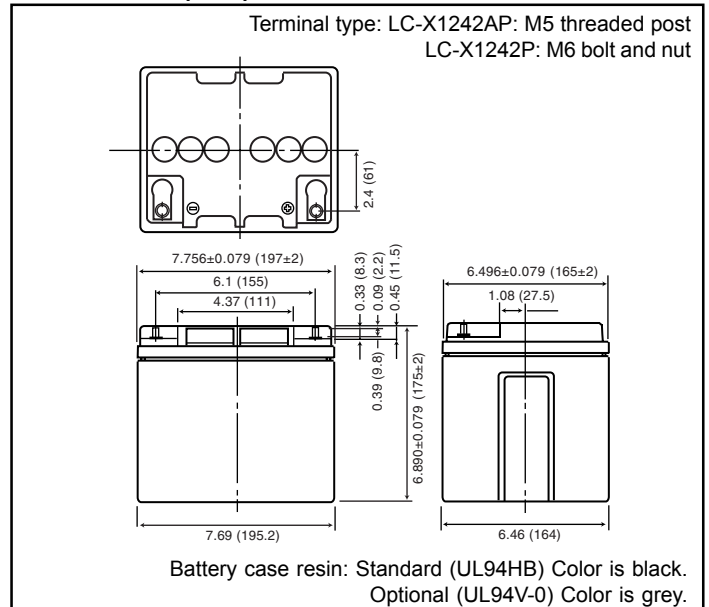
Characteristics

Capacity ^(note) 77°F (25°C)	20 hour rate (2.1A)	42Ah	
	10 hour rate (4A)	40Ah	
Internal resistance	5 hour rate (7.4A)	37Ah	
	1 hour rate (26A)	26Ah	
	1.5 hour rate discharge Cut-off voltage 10.5 V	15.5A	
Temperature dependency of capacity (20 hour rate)	Fully charged battery 77°F (25°C)	Approx. 7mΩ	
	104°F (40°C)	102%	
	77°F (25°C)	100%	
	32°F (0°C)	85%	
Self discharge 77°F (25°C)	5°F (-15°C)	65%	
	Residual capacity after standing 3 months	91%	
	Residual capacity after standing 6 months	82%	
Charge Method (Constant Voltage)	Trickle use	Residual capacity after standing 12 months	64%
		Initial current	6.3 A or smaller
		Control voltage	13.6V to 13.8V (per 12V cell 25°C)

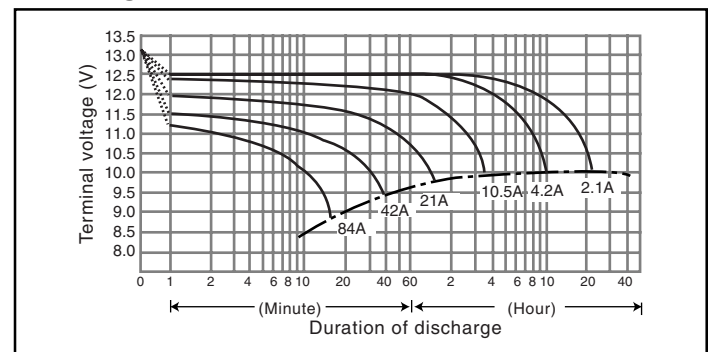
(Note) The above characteristics data are average values obtained within three charge/discharge. Cycles not the minimum values.

For 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)

