

# VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

## LC-X1228P/LC-X1228AP



Photo/Label for reference only.

(a) The photo and dimensions represent LC-X1228AP.

### Specifications

<b>Nominal Voltage</b>		12V
<b>Rated Capacity (20 hour rate)</b>		28Ah
<b>Dimensions</b>	<b>Length</b>	6.496 inches (165 mm)
	<b>Width</b>	4.921 inches (125 mm)
	<b>Height</b>	7.07 inches (179.5 mm)
	<b>Total Height</b>	LC-X1228AP 6.890 inches (175 mm) LC-X1228P 7.067 inches (179.5 mm)
<b>Approx. mass</b>		24.34 lbs. (11 kg)
<b>Standard Terminals and Resin</b>	UL94HB M5 Bolt and Nut	LC-X1228P
	UL94HB M5 Threaded Post	LC-X1228AP
<b>Optional Terminals and Resin</b>	UL94V-0 M5 Bolt and Nut	◆ LC-P1228P
	UL94V-0 M5 Threaded Post	◆ LC-P1228AP

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

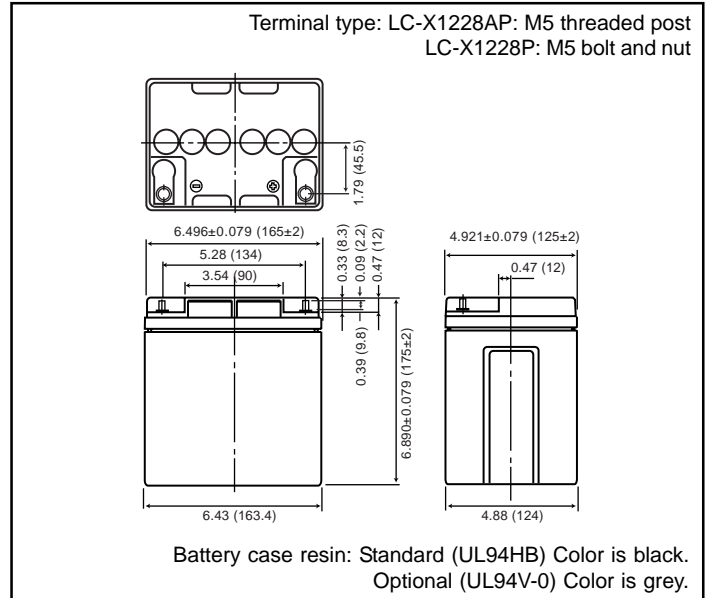
### Characteristics

Capacity (note) 77°F (25°C)	20 hour rate (1.40A)	28.0Ah	
	10 hour rate (2.65A)	26.5Ah	
	5 hour rate (5.00A)	25.0Ah	
	1 hour rate (21.0A)	21.0Ah	
	1.5 hour rate discharge Cut-off voltage 10.5 V	9.80A	
Internal Resistance	Fully charged battery 77°F (25°C)	Approx. 6.0mΩ	
Temperature dependency of capacity (20 hour rate)	104°F (40°C)	102%	
	77°F (25°C)	100%	
	32°F (0°C)	85%	
	5°F (-15°C)	65%	
Self discharge 77°F (25°C)	Residual capacity after standing 3 months	91%	
	Residual capacity after standing 6 months	82%	
	Residual capacity after standing 12 months	64%	
Charge Method (Constant Voltage)	Trickle use	Initial current	4.20 A or smaller
		Control voltage	13.6V to 13.8V (per 12V cell 25°C)

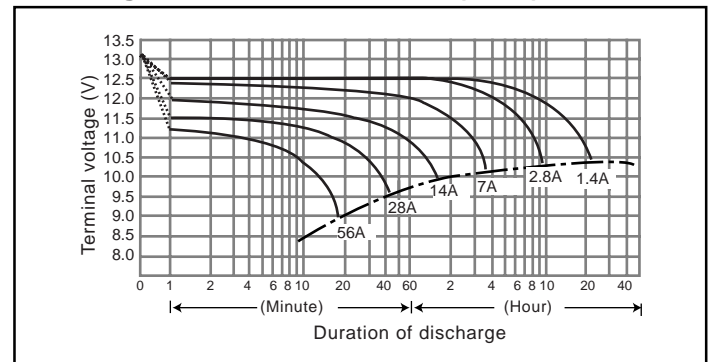
(Note) The above characteristics data are average values obtained within three charge/discharge. Cycles not the minimum values.

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)

