

# VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

## LC-RA1212P



Photo/Label for reference only.

### Specifications

<b>Nominal Voltage</b>		12V
<b>Rated Capacity (20 hour rate)</b>		12Ah
<b>Dimensions</b>	<b>Length</b>	5.945 inches (151.0 mm)
	<b>Width</b>	3.860 inches (98.0 mm)
	<b>Height</b>	3.702 inches (94.0 mm)
	<b>Total Height*</b>	3.937 inches (100.0 mm)
<b>Approx. mass</b>		8.36 lbs. (3.8 kg)
<b>Standard Terminals and Resin</b>	UL94HB Faston 187	LC-RA1212P
	UL94HB Faston 250	LC-RA1212P1

\* The total height with #250 terminal is 101.5mm.

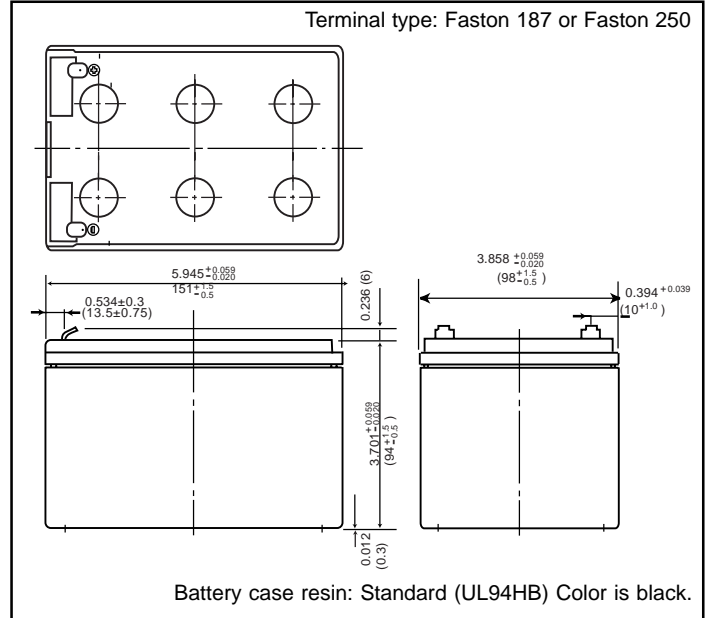
### Characteristics

Capacity (note) 77°F (25°C)	20 hour rate (600mA)	12Ah	
	10 hour rate (1130mA)	11.3Ah	
Internal Resistance	5 hour rate (2080mA)	10.4Ah	
	1 hour rate (8100mA)	8.1Ah	
	1.5 hour rate discharge Cut-off voltage 10.5 V	5.8A	
Temperature dependency of capacity (20 hour rate)	Fully charged battery 77°F (25°C)	Approx. 30mΩ	
	104°F (40°C)	102%	
	77°F (25°C)	100%	
Self discharge 77°F (25°C)	32°F (0°C)	85%	
	5°F (-15°C)	65%	
	Residual capacity after standing 3 months	91%	
Charge Method (Constant Voltage)	Cycle use (Repeating use)	Residual capacity after standing 6 months	82%
		Residual capacity after standing 12 months	64%
Charge Method (Constant Voltage)	Cycle use (Repeating use)	Initial current	4.8 A or smaller
		Control voltage	14.5V to 14.9V (per 12V cell 25°C)
	Trickle use	Initial current	1.8 A or smaller
		Control voltage	13.6V to 13.8V (per 12V cell 25°C)

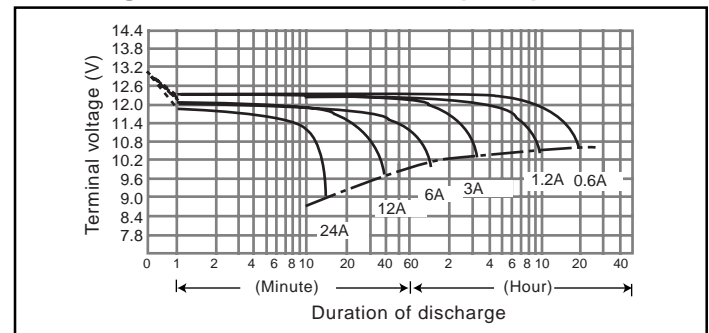
(Note) The above characteristics data are average values obtained within three charge/discharge. Cycles not the minimum values.

For main and standby power supplies.  
Expected trickle life: 3-5 years at 25°C, Approx. 5 years at 20°C.

### Dimensions (mm)



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



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

