

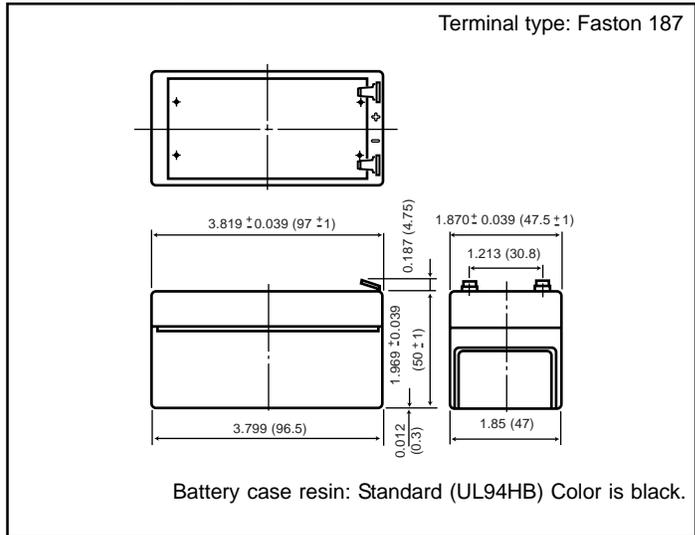
# VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

## LC-R121R3P



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

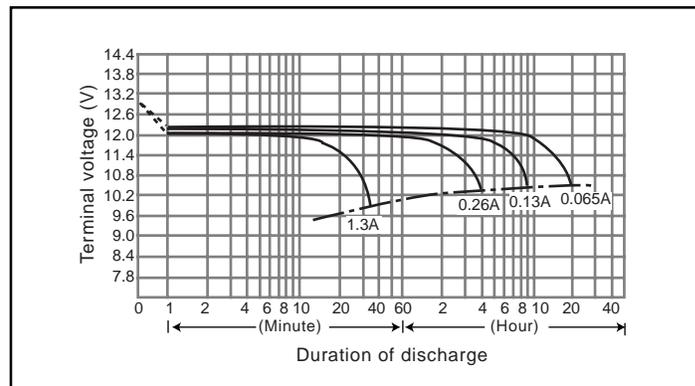
### Dimensions (mm)



### Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		1.3Ah
Dimensions	Length	3.819 inches (97.0 mm)
	Width	1.870 inches (47.5 mm)
	Height	1.969 inches (50.0 mm)
	Total Height	2.165 inches (55.0 mm)
Approx. mass		1.30 lbs. (0.59 kg)
Standard Terminals and Resin	UL94HB Faston 187	LC-R121R3P

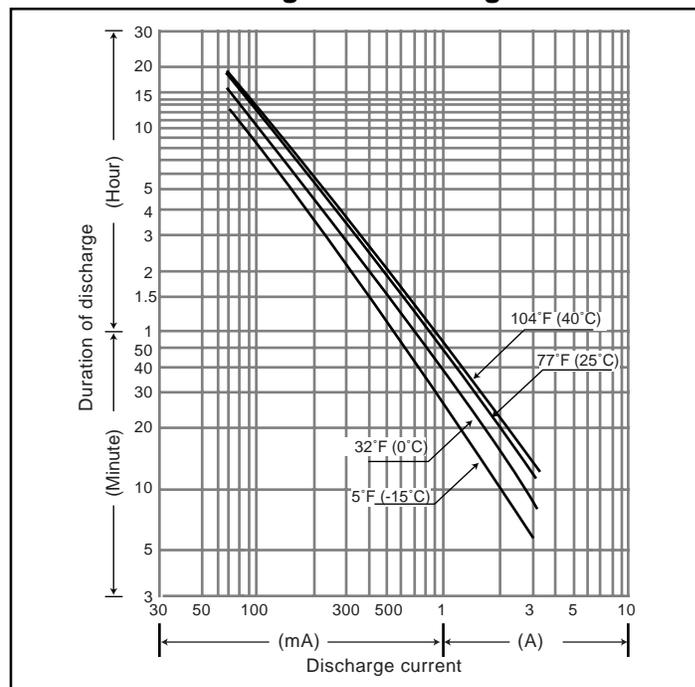
### Discharge characteristics 77°F (25°C) (Note)



### Characteristics

Capacity (note) 77°F (25°C)	20 hour rate (65mA)	1.3Ah	
	10 hour rate (120mA)	1.2Ah	
Internal Resistance	5 hour rate (210mA)	1.05Ah	
	1 hour rate (850mA)	0.85Ah	
Temperature dependency of capacity (20 hour rate)	1.5 hour rate discharge	0.6A	
	Cut-off voltage 10.5 V		
	Fully charged battery 77°F (25°C)	Approx. 90mΩ	
	104°F (40°C)	102%	
Self discharge 77°F (25°C)	77°F (25°C)	100%	
	32°F (0°C)	85%	
	5°F (-15°C)	65%	
Charge Method (Constant Voltage)	Residual capacity after standing 3 months	91%	
	Residual capacity after standing 6 months	82%	
	Residual capacity after standing 12 months	64%	
Cycle use (Repeating use)	Initial current	0.52 A or smaller	
	Control voltage	14.5V to 14.9V (per 12V cell 25°C)	
	Trickle use	Initial current	0.195 A or smaller
		Control voltage	13.6V to 13.8V (per 12V cell 25°C)

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



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

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