# VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

# LC-R0612P



## **Specifications**

Nom	6V		
Rated Capa	12.0Ah		
Dimensions	Length	5.945 inches (151.0 mm)	
	Width	1.969 inches (50.0 mm)	
	Height	3.702 inches (94.0 mm)	
	Total Height*	3.937 inches (100.0 mm)	
Арј	4.30 lbs. (1.95 kg)		
Standard Terminals and Resin	UL94HB Faston 187	LC-R0612P	
	UL94HB Faston 250	LC-R0612P1	

<sup>\*</sup> The total height with #250 terminal is 101.5mm.

#### **Characteristics**

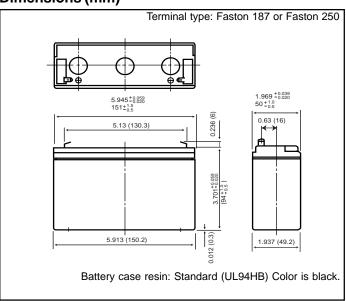
Capacity <sup>(note)</sup> 77°F (25°C)		20 hour rate (360mA) 10 hour rate (680mA) 5 hour rate (1260mA) 1 hour rate (4900mA)	12Ah 11.3Ah 10.4Ah 8.1Ah	
		1.5 hour rate discharge Cut-off voltage 5.25 V	5.8A	
Internal Resistance		Fully charged battery 77°F (25°C)	Approx. 15mΩ	
Temperature dependency of capacity (20 hour rate)		104°F (40°C) 77°F (25°C) 32°F (0°C) 5°F (-15°C)	102% 100% 85% 65%	
Self discharge 77°F (25°C)		Residual capacity after standing 3 months Residual capacity after standing 6 months Residual capacity after standing 12 months	91% 82% 64%	
Charge Method (Constant Voltage)	Cycle use (Repeating use)	Initial current	4.8 A or smaller	
		Control voltage	7.25V to 7.45V (per 6V cell 25°C)	
		Initial current	1.8 A or smaller	
	Trickle use	Control voltage	6.8V to 6.9V (per 6V cell 25°C)	

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

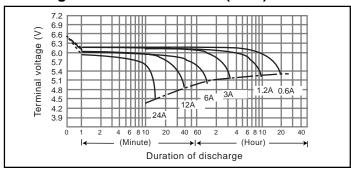
For main and standby power supplies.

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)

