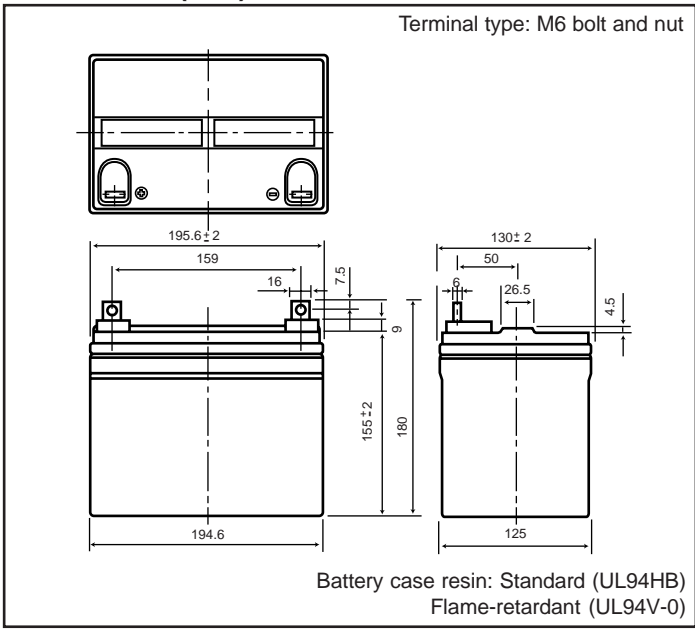


**LC-R1233P/LC-V1233P**



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

**Dimensions (mm)**



**Specifications**

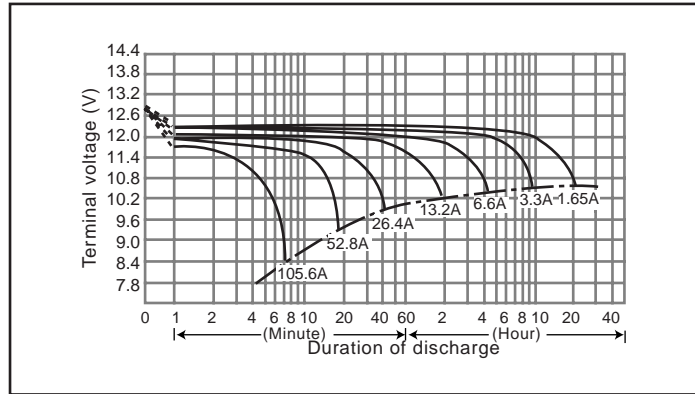
Nominal voltage		12V
Rated capacity (20 hour rate)		33Ah
Dimensions	Length	195.6 mm
	Width	130 mm
	Height	155 mm
	Total Height	180 mm
Approx. mass		12 kg

**Characteristics**

Capacity (note) (25°C)	20 hour rate (1.65A)	33Ah	
	10 hour rate (3A)	30Ah	
Internal resistance	5 hour rate (5.4A)	27Ah	
	1 hour rate (20A)	20Ah	
	1.5 hour rate discharge Cut-off voltage 10.5 V	13.4A	
Temperature dependency of capacity (20 hour rate)	Fully charged battery (25°C)	Approx. 7mΩ	
Self discharge (25°C)	40°C	102%	
	25°C	100%	
	0°C	85%	
Charge Method (Constant Voltage)	-15°C	65%	
	Residual capacity after standing 3 months	91%	
	Residual capacity after standing 6 months	82%	
Cycle use (Repeating use)	Residual capacity after standing 12 months	64%	
	Initial current	13.2 A or smaller	
Trickle use	Control voltage	14.5V to 14.9 V (per 12V cell 25°C)	
	Initial current	4.95 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.  
(Note) For cycle use of the battery, please consult us in advance.

**Discharge characteristics (25°C) (Note)**



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

