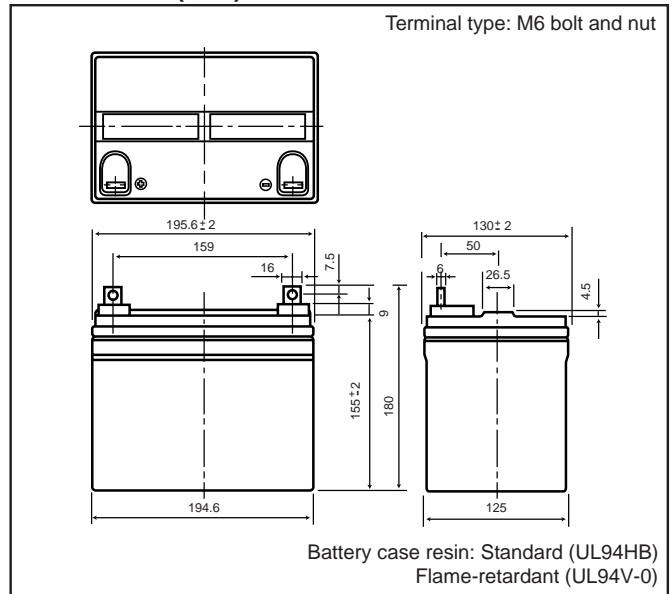


LC-LA1233P/LC-VA1233P



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)		33Ah
Dimensions	Length	195.6 mm
	Width	130 mm
	Height	155 mm
	Total Height	180 mm
Approx. mass		12 kg

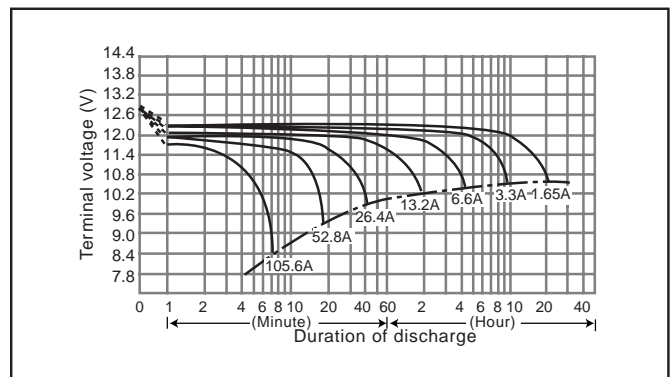
Characteristics

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%	
	-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	13.2 A or smaller	
	Control voltage	14.5V to 14.9 V (per 12V cell 25°C)	
	Trickle use	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)

