VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

LC-RA1212P

Photo/Label for reference only.

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

Dimensions (mm)

Terminal type: Faston 187 or Faston 250

5.945 $^{+0.059}_{-0.020}$
151 $^{+1.5}_{-0.5}$

0.534±0.3
(13.5±0.75)

0.236 (6)

3.858 $^{+0.059}_{-0.020}$
(98 $^{+1.5}_{-0.5}$)

0.394 $^{+0.039}$
(10 $^{+1.0}$)

3.701 $^{+0.059}_{-0.020}$
(94 $^{+1.5}_{-0.5}$)

0.012
(0.3)

Battery case resin: Standard (UL94HB) Color is black.

Specifications

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

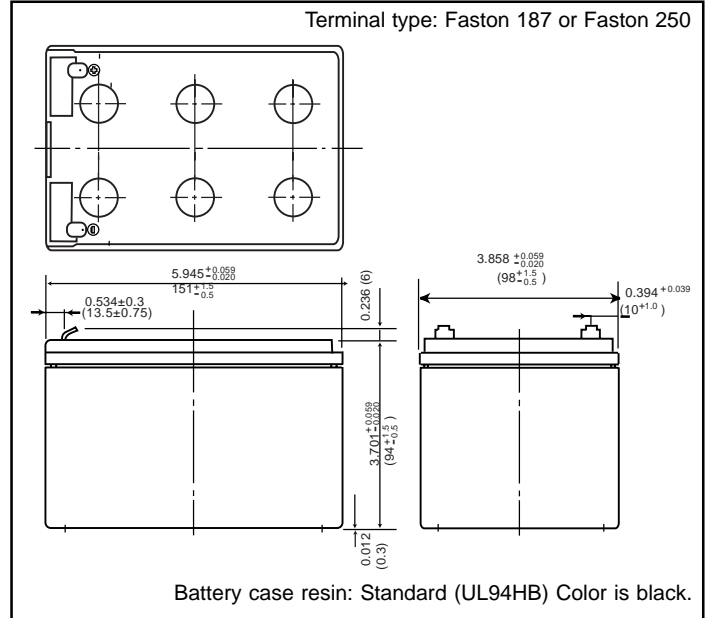* The total height with #250 teminal is 101.5mm.

Characteristics

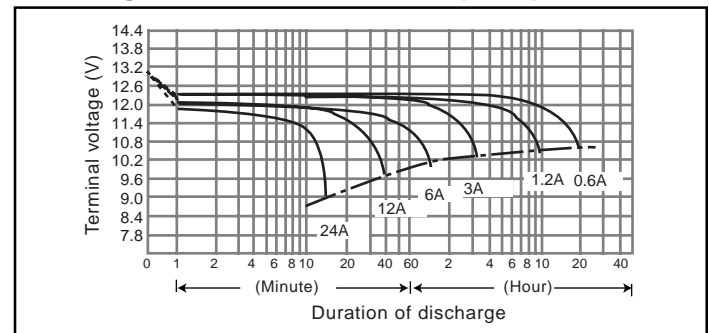| Capacity (note) 77°F (25°C)	20 hour rate (600mA)	12Ah
	10 hour rate (1130mA)	11.3Ah
	5 hour rate (2080mA)	10.4Ah
	1 hour rate (8100mA)	8.1Ah
	1.5 hour rate discharge Cut-off voltage 10.5 V	5.8A
Internal Resistance	Fully charged battery 77°F (25°C)	Approx. 30mΩ
Temperature dependency of capacity (20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

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

Duration of discharge vs. Discharge current (Note)

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VRLA BATTERIES

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