

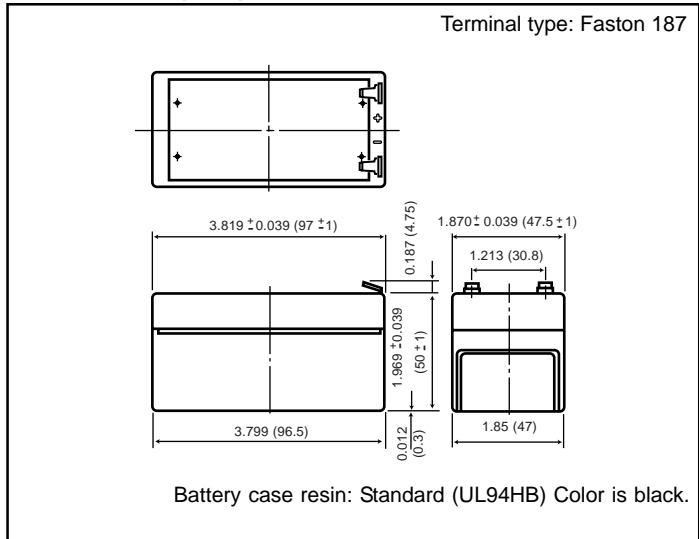
VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

LC-R121R3P



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

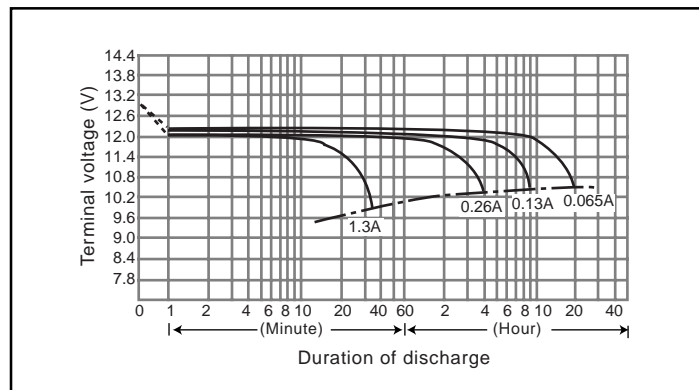
Dimensions (mm)



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 |

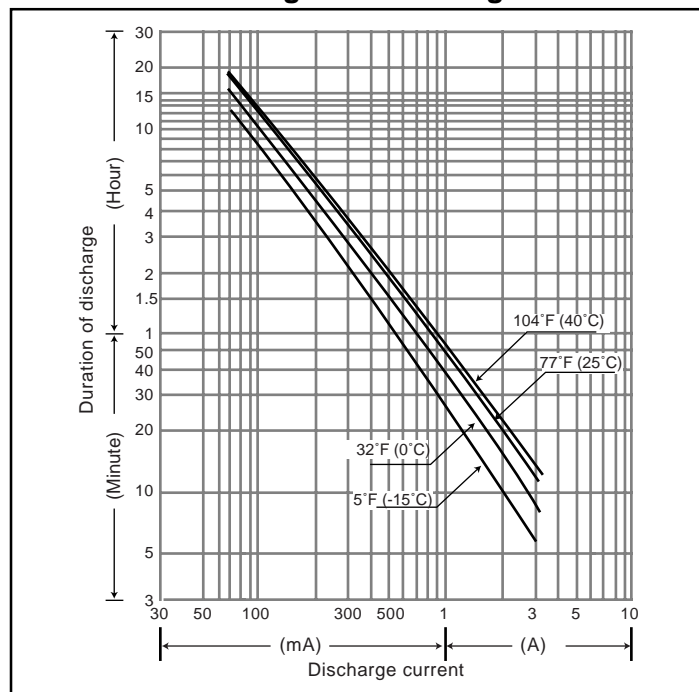
Discharge characteristics 77°F (25°C) (Note)



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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