# LC-TA122PU/LC-PA122PU

For main and standby power supplies. Expected trickle life:
Approx. 6 years at 25°C, Approx. 10 years at 20°C.


Labels will vary, see page 73 for example of labels.

## Specifications

| | | |
|---|---|---|
| Nominal voltage | | 12V |
| Rated capacity (20 hour rate) | | 2Ah |
| Dimensions | Length | 182 mm |
| | Width | 23.85 mm |
| | Height | 61.7 mm |
| | Total Height | 61.7 mm |
| Approx. mass | | 0.635 kg |

* This product adopts UL94HB-compliant resin as the material of the battery case. Product color is black. Optionally, type LC-PA122PU which adopts flame retardant resin complying with UL94V-0 is also available. Product color is gray.

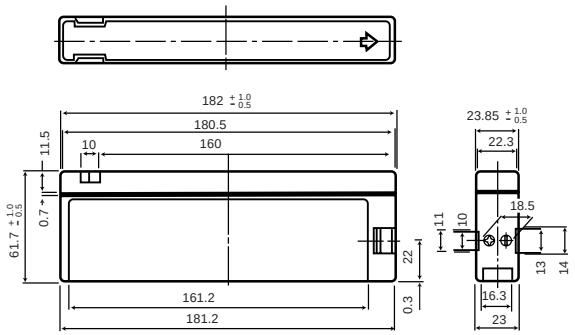
## Characteristics

| | | | |
|---|---|---|---|
| Capacity (note) (25°C) | | 20 hour rate (100mA)<br>10 hour rate (190mA)<br>5 hour rate (350mA)<br>1 hour rate (1400mA) | 2.00Ah<br>1.90Ah<br>1.75Ah<br>1.40Ah |
| | | 1.5 hour rate discharge<br>Cut-off voltage 10.5 V | 1A |
| Internal resistance | | Fully charged battery (25°C) | Approx. 80mΩ |
| Temperature dependency of capacity (20 hour rate) | | 40°C<br>25°C<br>0°C<br>-15°C | 102%<br>100%<br>85%<br>65% |
| Self discharge (25°C) | | Residual capacity after standing 3 months<br>Residual capacity after standing 6 months<br>Residual capacity after standing 12 months | 90%<br>80%<br>60% |
| Charge Method (Constant Voltage) | Cycle use (Repeating use) | Initial current | 0.8 A or smaller |
| | | Control voltage | 14.5V to 14.9 V (per 12V cell 25°C) |
| | Trickle use | Initial current | 0.3 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.

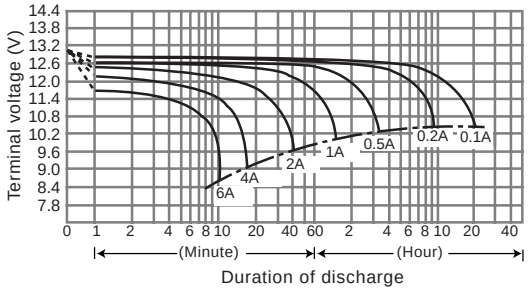
## Dimensions (mm)

Terminal type: Pressure Contact




Battery case resin: Standard (UL94HB)
Flame-retardant (UL94V-0)

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




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