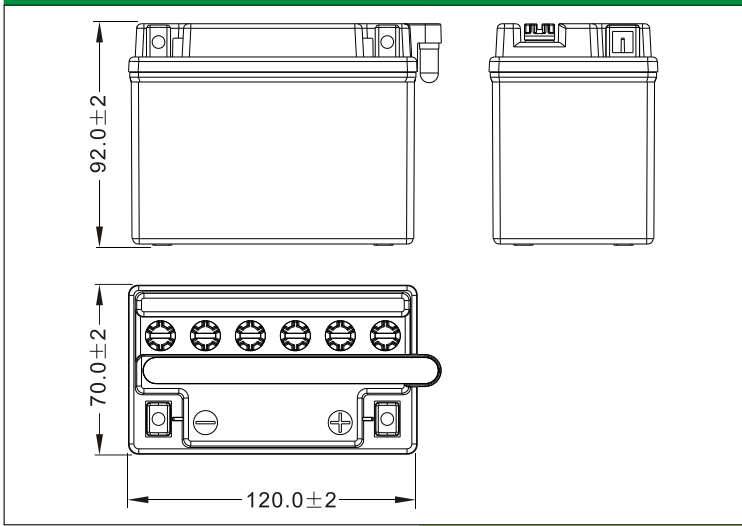




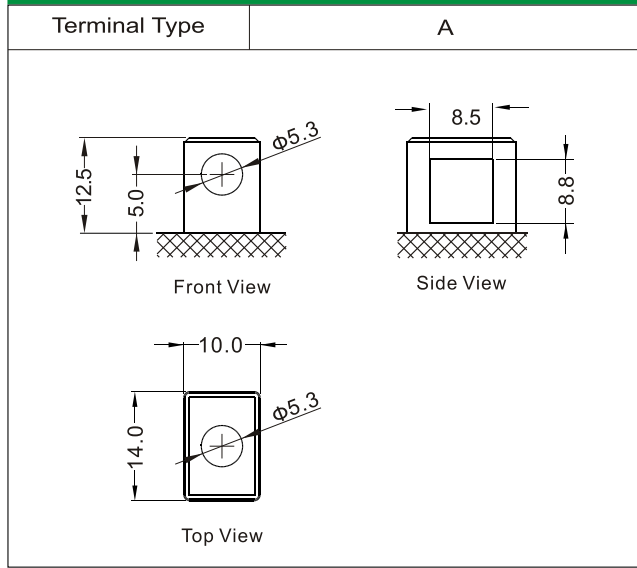
# LEOCH BATTERY LB4L-B [12V4Ah]



## Dimensions (mm)



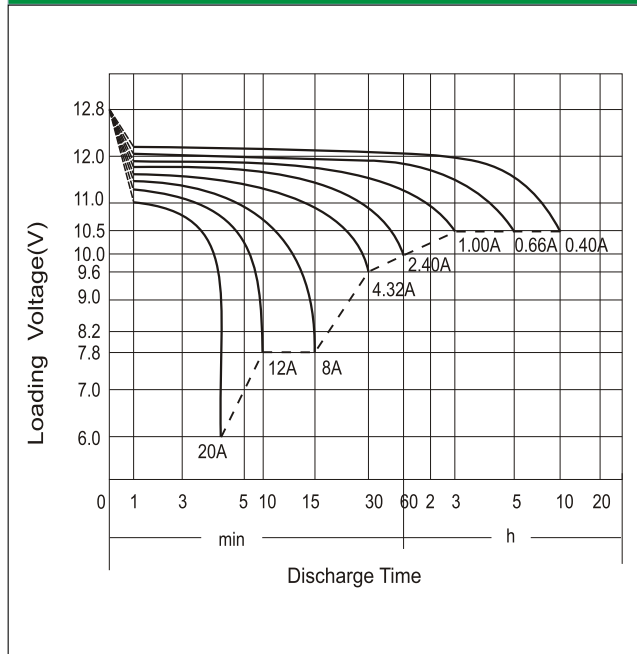
## Standard Terminal (mm)



## Physical Specification

|   |   |                         |
|---|---|-------------------------|
| Nominal Voltage   | 12V   |                         |
| Nominal Capacity (10HR)   | 4Ah   |                         |
| Dimension   | Length                                      | 120 ± 2mm (4.72 inches) |
|   | Width                                       | 70 ± 2mm (2.76 inches)  |
|   | Container Height                            | 92 ± 2mm (3.61 inches)  |
|   | Total Height (with Terminal)                | 92 ± 2mm (3.61 inches)  |
| Weight  | Battery(with acid): Approx 1.65kg (3.64lbs) |                         |
|   | Electrolyte: Approx 0.39kg (0.77lbs)        |                         |
| <ul style="list-style-type: none"> <li>* High performance and dry charged high quality and flooded battery</li> <li>* Low maintenance</li> <li>* Powerful 50 cold cranking amps</li> <li>* Shipped without battery electrolyte pre-charged and ready to install</li> <li>* Replaces 12N4-3B conventional battery</li> </ul> |   |                         |

## Discharge Characteristics (25°C, 77°F)



## Electrical Specification

|                                  |                        |   |
|----------------------------------|------------------------|---|
| Rated Capacity                   | 10 hour rate (0.40A)   | 4.00Ah  |
|                                  | 5 hour rate (0.66 A)   | 3.28Ah  |
|                                  | 2 hour rate (1.40 A)   | 2.80Ah  |
|                                  | 1 hour rate (2.40 A)   | 2.40Ah  |
|                                  | 0.5 hour rate (4.32 A) | 2.16Ah  |
| Capacity affected by Temperature | 40 °C (104 °F)         | 106%  |
|                                  | 25 °C (77 °F)          | 100%  |
|                                  | 0 °C (32 °F)           | 86%   |
|                                  | -15 °C (5 °F)          | 65%   |
| Charging Methods                 | Full Charge            | Constant-Voltage Charge:<br>Initial charging current: less than 1.2A<br>Voltage: 14.40 V ~ 15.00 V at 25 °C (77 °F)<br>Charging time: 16 ~24h<br>Constant-Current Charge:<br>Charging current: 0.4A, when charging voltage up to 15.60V, continue to charge 2h. |
|                                  | Floating Charge        | No limit on Initial charging current<br>Voltage: 13.50 V ~ 13.80 V at 25 °C (77 °F)   |