

Zenith



# ZL120150

## Constant Current Discharge Rating Amperes @ 25°C (77°F)

|                        |     |     |      |    |     |     |     |     |      |     |      |
|------------------------|-----|-----|------|----|-----|-----|-----|-----|------|-----|------|
| Cut off voltage V/cell | 30M | 45M | 1H   | 2H | 3H  | 5H  | 8H  | 10H | 12H  | 20H | 24H  |
| 1.75V                  | 38  | 28  | 22.7 | 12 | 9.1 | 6.3 | 4.4 | 3.6 | 3.07 | 2   | 1.67 |

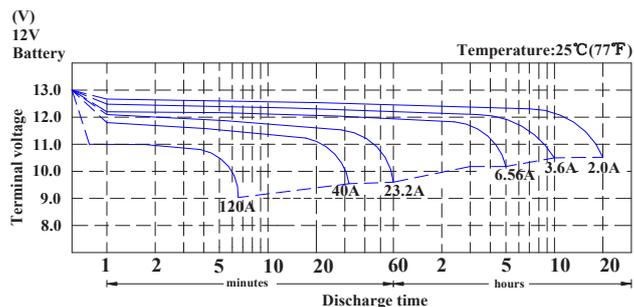
## Characteristics

|  |  |                            |
|--|--|----------------------------|
| Capacity<br>25°C (77°F)                                  | 20 hour rate (2A to 10.5Volts)<br>10 hour rate (3.6A to 10.5Volts)<br>5 hour rate (6.56A to 10.2Volts)           | 40AH<br>36AH<br>32.8AH     |
| Internal Resistance                                      | Full charged Battery 25°C (77°F)   | 9mΩ                        |
| Capacity affected<br>by Temperature<br>(20 hour rate)    | 40°C (104°F)<br>25°C (77°F)<br>0°C (32°F)<br>-15°C (5°F)   | 102%<br>100%<br>85%<br>65% |
| Self-Discharge<br>25°C (77°F)                            | Capacity after 3 month storage<br>Capacity after 6 month storage<br>Capacity after 12 month storage              | 91%<br>82%<br>64%          |
| Standard Terminal  | M6   |                            |
| Max. Discharge<br>Current 25°C (77°F)                    | 600A (5s)  |                            |
| Cranking Performance                                     | Cranking Amps<br>(30-sec amps to 7.2V @ 0°C (32°F))<br>Cold Cranking Amps<br>(30-sec amps to 7.2V @ -18°C (0°F)) | 320A<br>275A               |
| Reserve Capacity<br>(Minutes to 10.5V<br>at 27°C (80°F)) | @ 25Amps<br>@ 75Amps   | 53Min                      |
| Charging<br>(Constant<br>Voltage)                        | Cycle Initial Charging Current 8A Or Small<br>14.5V~14.9V/ 25°C (77°F)<br>Float 13.6V~13.8V/ 25°C (77°F)         |                            |

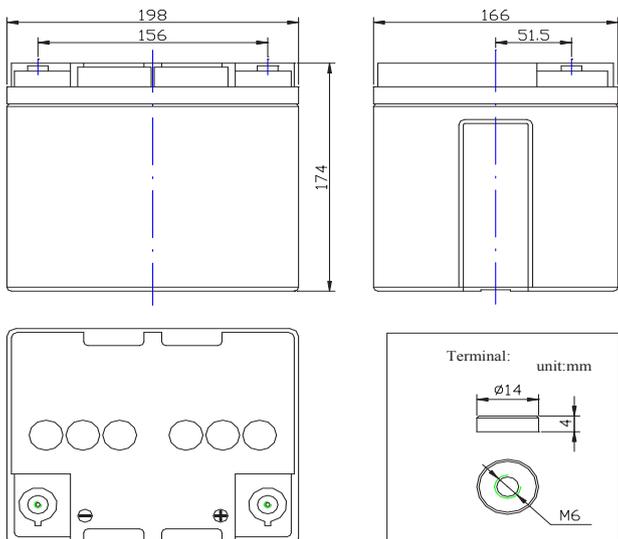
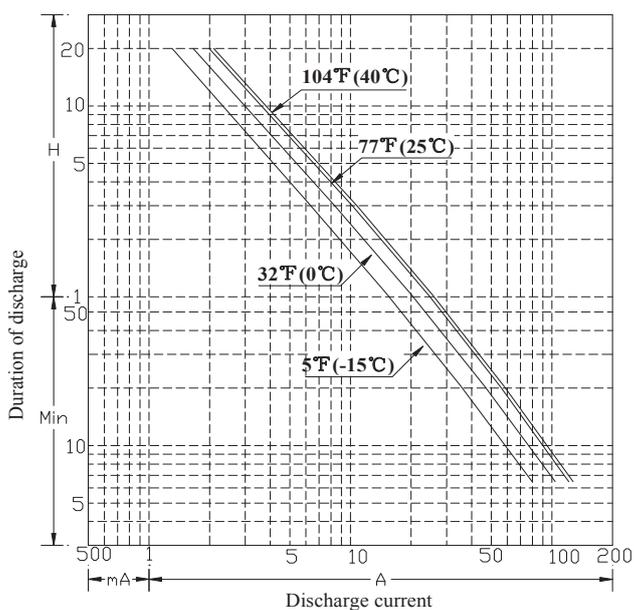
## Specifications

|                               |                                  |                     |
|-------------------------------|----------------------------------|---------------------|
| Nominal Voltage               | 12V                              |                     |
| Rated Capacity (20 hour rate) | 40Ah                             |                     |
| Dimension                     | Total Height<br>(with terminals) | 174mm (6.85 inches) |
|                               | Height                           | 174mm (6.85 inches) |
|                               | Length                           | 198mm (7.80 inches) |
|                               | Width                            | 166mm (6.54 inches) |
| Weight                        | Approx. 13.4 kg (29.48 lbs)      |                     |

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



## Duration of discharge vs. Discharge current



This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specification are subject to modification without notice. Contact U.B.S. UNION BATTERY SERVICE for the latest information.

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