

### Specification

Code:460-6210

|                                  |   |                               |
|----------------------------------|---|-------------------------------|
| Nominal Voltage                  | 12V   |                               |
| Nominal Capacity(10HR)           | 75.0AH  |                               |
| Dimension                        | Length  | 564±3mm (22.20 inches)        |
|                                  | Width   | 114±2mm (4.49 inches)         |
|                                  | Container Height  | 187±2mm (7.36 inches)         |
|                                  | Total Height (with Terminal)  | 187±2mm (7.36 inches)         |
| Approx Weight                    | Approx 26.0 Kg (57.3 lbs)   |                               |
| Terminal                         | T6  |                               |
| Container Material               | ABS   |                               |
| Rated Capacity                   | 79.4AH/3.97A  | (20hr, 1.80V/cell, 25°C/77°F) |
|                                  | 75.0AH/7.50A  | (10hr, 1.80V/cell, 25°C/77°F) |
|                                  | 72.2AH/9.03A  | (8hr, 1.80V/cell, 25°C/77°F)  |
|                                  | 65.5AH/13.1A  | (5hr, 1.75V/cell, 25°C/77°F)  |
|                                  | 49.5AH/49.5A  | (1hr, 1.67V/cell, 25°C/77°F)  |
| Max. Discharge Current           | 750A (5s)   |                               |
| Internal Resistance              | Approx 5.0mΩ  |                               |
| Operating Temp. Range            | Discharge   | -15~50°C (5~122°F)            |
|                                  | Charge  | 0~40°C (32~104°F)             |
|                                  | Storage   | -15~40°C (5~104°F)            |
| Nominal Operating Temp. Range    | 25±3°C (77±5°F)   |                               |
| Cycle Use                        | Initial Charging Current less than 22.5A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C   |                               |
|                                  | Standby Use<br>No limit on Initial Charging Current Voltage<br>13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C  |                               |
| Capacity affected by Temperature | 40°C (104°F)  | 103%                          |
|                                  | 25°C (77°F)   | 100%                          |
|                                  | 0°C (32°F)  | 86%                           |
| Self Discharge                   | CT series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter. |                               |



### Applications

- ◆ For standard 19 inches or 23 inches power cabinets
- ◆ Network connection equipment of communication system
- ◆ Power system of special network or local area network
- ◆ UPS, standby power supply
- ◆ Power station systems
- ◆ Railway and marine systems



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

| F.V/Time   | 10min | 15min | 20min | 30min | 45min | 1h   | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 132.8 | 111.6 | 94.5  | 72.8  | 54.4  | 43.2 | 25.0 | 18.2 | 14.6 | 12.4 | 10.8 | 8.67 | 7.17 | 3.80 |
| 1.80V/cell | 145.8 | 120.9 | 103.5 | 78.5  | 57.9  | 45.8 | 26.4 | 19.1 | 15.3 | 13.0 | 11.3 | 9.03 | 7.50 | 3.97 |
| 1.75V/cell | 155.7 | 127.8 | 108.0 | 81.8  | 59.9  | 47.6 | 27.2 | 19.8 | 15.7 | 13.1 | 11.4 | 9.14 | 7.59 | 4.01 |
| 1.70V/cell | 163.8 | 133.8 | 111.6 | 83.9  | 61.2  | 48.5 | 27.8 | 20.0 | 15.9 | 13.3 | 11.5 | 9.21 | 7.64 | 4.04 |
| 1.67V/cell | 170.1 | 136.8 | 113.9 | 85.5  | 62.7  | 49.5 | 28.0 | 20.2 | 16.0 | 13.4 | 11.6 | 9.29 | 7.70 | 4.06 |
| 1.60V/cell | 176.4 | 140.7 | 116.6 | 87.3  | 63.8  | 50.5 | 28.3 | 20.3 | 16.1 | 13.5 | 11.7 | 9.36 | 7.74 | 4.08 |

### Constant Power Discharge (Watts/cell) at 25 °C (77°F)

| F.V/Time   | 10min | 15min | 20min | 30min | 45min | 1h   | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 252.8 | 214.3 | 182.7 | 141.7 | 106.7 | 84.9 | 49.5 | 36.1 | 29.1 | 24.8 | 21.7 | 17.4 | 14.5 | 7.67 |
| 1.80V/cell | 275.7 | 231.0 | 199.0 | 152.3 | 113.1 | 89.7 | 52.0 | 37.9 | 30.4 | 26.0 | 22.6 | 18.1 | 15.1 | 7.99 |
| 1.75V/cell | 292.3 | 242.7 | 206.6 | 157.9 | 116.6 | 93.0 | 53.5 | 39.3 | 31.2 | 26.1 | 22.9 | 18.3 | 15.2 | 8.06 |
| 1.70V/cell | 303.4 | 251.1 | 211.3 | 160.5 | 118.2 | 94.0 | 54.4 | 39.5 | 31.4 | 26.3 | 23.1 | 18.4 | 15.3 | 8.11 |
| 1.67V/cell | 310.3 | 253.0 | 212.7 | 161.7 | 119.9 | 95.3 | 54.6 | 39.6 | 31.5 | 26.4 | 23.2 | 18.6 | 15.4 | 8.13 |
| 1.60V/cell | 314.9 | 255.9 | 214.7 | 163.3 | 120.8 | 96.2 | 54.7 | 39.6 | 31.6 | 26.6 | 23.4 | 18.7 | 15.5 | 8.16 |

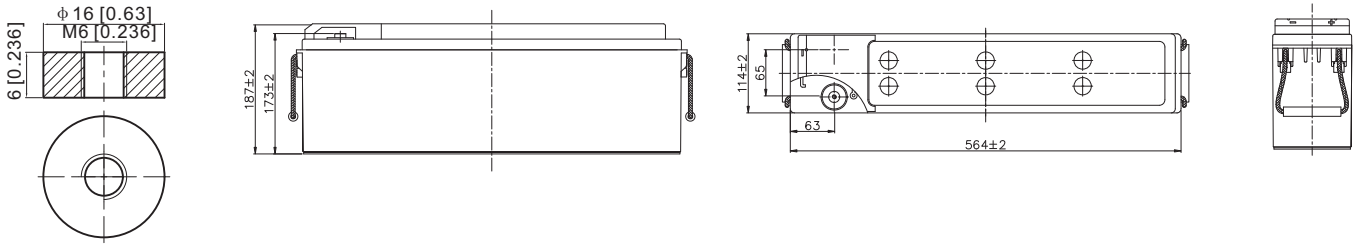
Specifications subject to change without notice.



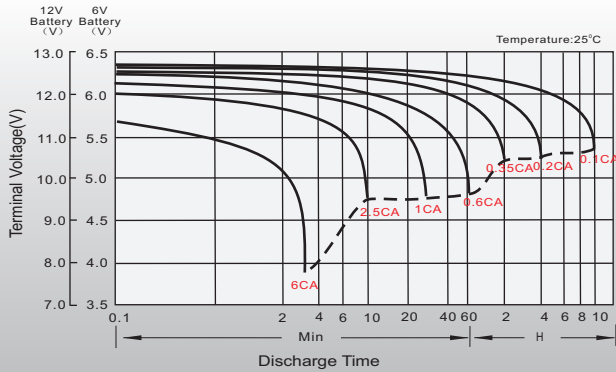
# Dimensions

## T6 Terminal

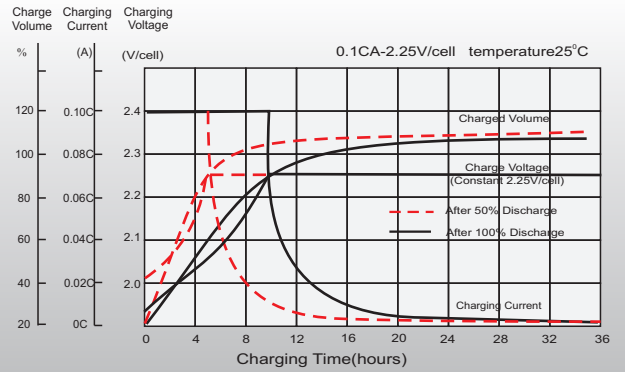
Unit: mm [inches]



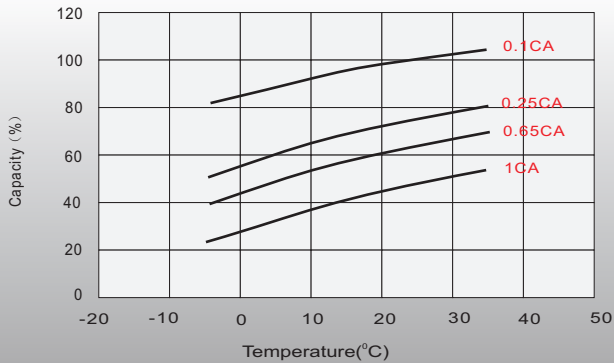
## Discharge Characteristics



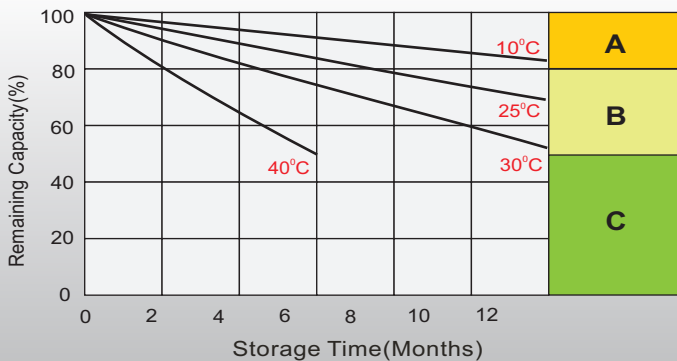
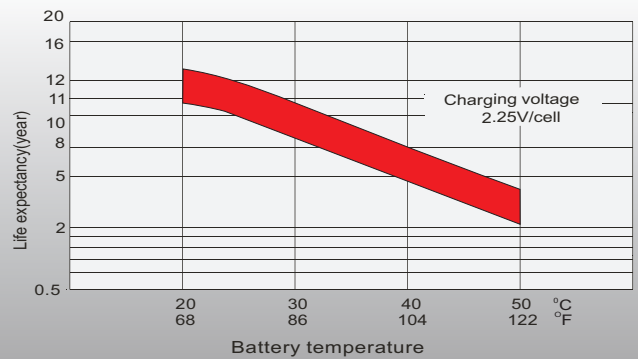
## Float Charging Characteristics



## Temperature Effects in Relation to Battery Capacity



## Effect of Temperature on Long Term Float Life



## Self Discharge Characteristics

- A** No supplementary charge required  
(Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
  1. Charged for above 3 days at limited current 0.25CA and constant volatge 2.25V/cell.
  2. Charged for above 20hours at limited current 0.25CA and constant volatge 2.45V/cell.
  3. Charged for 8~10hours at limited current 0.05CA .
- C** Supplementary charge may often fail to recover the capacity.  
The battery should never be left standing till this is reached.

## Sales Office

**Finland and Baltics**  
Celltech Oy  
Sinimäentie 6  
02630 Espoo  
Finland  
TEL: +358 (0) 207 999 640  
E-mail: info@celltech.fi  
www.celltech.fi

**Sweden**  
Celltech Abatel AB  
Färögatan 33  
164 51 Kista,  
Sweden  
TEL: +46 (0) 8 445 78 70  
E-mail: info@celltech.se  
www.celltech.se

**Denmark**  
Celltech A/S  
Lejrvej 25  
3500 Vaerloese,  
Denmark  
TEL: +45 7025 2201  
E-mail: info@celltech.dk  
www.celltech.dk

**Norway**  
Staubo Elektro-Maskin AS  
Bjoernerudveien 12 C  
1266 Oslo  
Norway  
TEL: +47 22 75 35 00  
E-Mail: post@staubo.no  
www.staubo.no