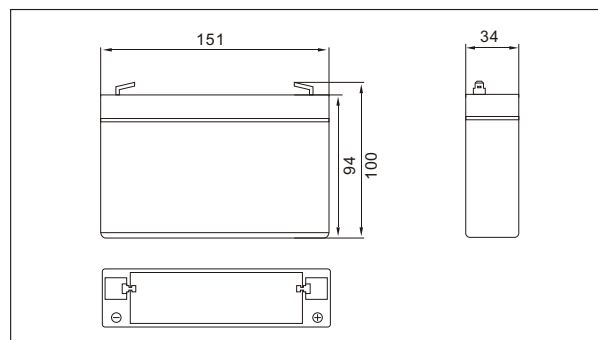




## SW675 (6V7.5AH)



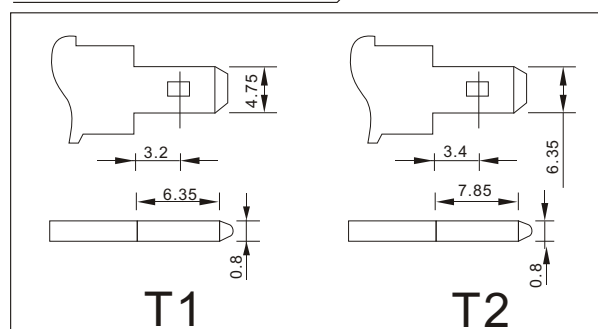
### Outer dimensions (mm)



### Specifications

|                               |              |                     |
|-------------------------------|--------------|---------------------|
| Nominal Voltage               |              | 6 V                 |
| Rated capacity (20 hour rate) |              | 7.5 Ah              |
| Dimensions                    | Total Height | 100 mm(3.94 inches) |
|                               | Height       | 94 mm(3.70 inches)  |
|                               | Length       | 151 mm(5.94 inches) |
|                               | Width        | 34 mm(1.34 inches)  |
| Weight Approx                 |              | 1.15 Kg(2.53lbs)    |

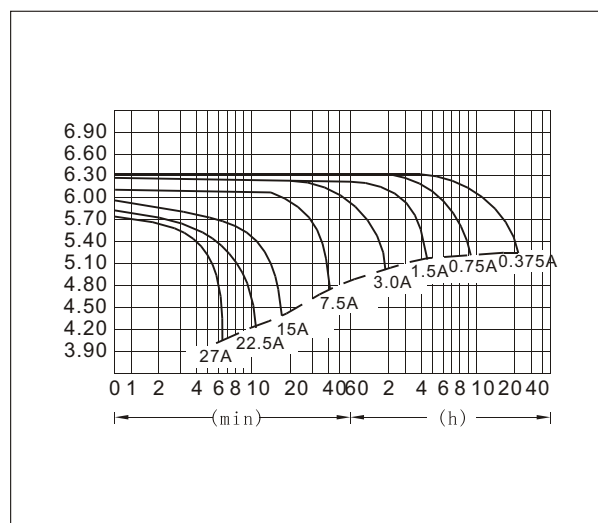
### Terminal Type (mm)



### Characteristics

|                                                         |                                 |                                                               |
|---------------------------------------------------------|---------------------------------|---------------------------------------------------------------|
| Capacity<br>25°C(77°F)                                  | 20 hour rate(0.375A)            | 7.50 AH                                                       |
|                                                         | 10 hour rate(0.69A)             | 6.90 AH                                                       |
|                                                         | 5 hour rate(1.28A)              | 6.40 AH                                                       |
|                                                         | 1 hour rate(4.50A)              | 4.50 AH                                                       |
|                                                         | 1.5 hour discharge to 5.25 V    | 3.0 A                                                         |
| Internal Resistance Full charged Battery at 25°C(77°F)  |                                 | 11 mΩ                                                         |
| Capacity<br>affected<br>by Temperature<br>(20hour rate) | 40°C(104°F)                     | 102%                                                          |
|                                                         | 25°C(77°F)                      | 100%                                                          |
|                                                         | 0°C(32°F)                       | 85%                                                           |
|                                                         | -15°C(5°F)                      | 65%                                                           |
| Self-Discharge<br>at 25°C(77°F)                         | Capacity after 3 month storage  | 91%                                                           |
|                                                         | Capacity after 6 month storage  | 82%                                                           |
|                                                         | Capacity after 12 month storage | 64%                                                           |
| Terminal                                                |                                 | T1 or T2                                                      |
| Charge<br>(constant<br>Voltage)                         | Cycle                           | Initial Charging Current less than 3.0A<br>Voltage 7.20-7.35V |
|                                                         | Float                           | Voltage 6.75-6.90V                                            |

### Discharge Curves 25°C(77°F)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(77°F)

| Time  |   | 5min | 10min | 15min | 30min | 1h   | 2h   | 3h    | 4h   | 5h   | 8h   | 10h  | 20h  |
|-------|---|------|-------|-------|-------|------|------|-------|------|------|------|------|------|
| 4.80V | A | 27.0 | 17.7  | 13.1  | 8.6   | 4.5  | 2.63 | 1.93  | 1.55 | 1.32 | 0.87 | 0.71 | 0.39 |
|       | W | 140  | 95    | 70    | 46.4  | 24.4 | 14.4 | 10.75 | 8.72 | 7.48 | 4.98 | 4.09 | 2.25 |
| 5.10V | A | 24.8 | 16.9  | 12.1  | 8.2   | 4.2  | 2.52 | 1.88  | 1.50 | 1.29 | 0.85 | 0.70 | 0.38 |
|       | W | 133  | 95    | 68    | 45.9  | 23.9 | 14.5 | 10.86 | 8.72 | 7.52 | 4.98 | 4.09 | 2.22 |
| 5.25V | A | 22.5 | 15.8  | 11.3  | 7.9   | 4.1  | 2.47 | 1.84  | 1.43 | 1.28 | 0.84 | 0.69 | 0.38 |
|       | W | 124  | 90    | 64    | 45.6  | 23.6 | 14.3 | 10.73 | 8.34 | 7.47 | 4.97 | 4.08 | 2.22 |
| 5.40V | A | 21.7 | 15.1  | 10.5  | 7.7   | 4.0  | 2.41 | 1.81  | 1.40 | 1.22 | 0.82 | 0.67 | 0.37 |
|       | W | 121  | 87    | 60    | 44.7  | 23.0 | 14.1 | 10.69 | 8.27 | 7.20 | 4.88 | 4.00 | 2.17 |
| 5.55V | A | 20.0 | 14.3  | 9.8   | 7.5   | 3.8  | 2.34 | 1.72  | 1.37 | 1.17 | 0.80 | 0.66 | 0.36 |
|       | W | 114  | 83    | 57    | 43.9  | 22.3 | 13.9 | 10.20 | 8.19 | 6.95 | 4.80 | 3.97 | 2.16 |