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## GP 672 ▶ 6V 7.2Ah

GP 672 is a general purpose battery up to 5 years in standby service or more than 260 cycles at 100% discharge in cycle service. As with all CSB batteries, all are rechargeable, highly efficient, leak proof and maintenance free.



### ► Specification

|                                            |                                                                                                                                                                     |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cells Per Unit                             | 3                                                                                                                                                                   |
| Voltage Per Unit                           | 6                                                                                                                                                                   |
| Capacity                                   | 7.2Ah @ 20hr-rate to 1.75V per cell @25°C (77°F)                                                                                                                    |
| Weight                                     | Approx. 1.22 kg(2.69 lbs)                                                                                                                                           |
| Maximum Discharge Current                  | 100A/130A(5sec)                                                                                                                                                     |
| Internal Resistance                        | Approx. 15.5 mΩ                                                                                                                                                     |
| Operating Temperature Range                | Discharge: -15°C~50°C ( 5°F~122°F).<br>Charge: -15°C~40°C ( 5°F~104°F).<br>Storage: -15°C~40°C ( 5°F~104°F).                                                        |
| Nominal Operating Temperature Range        | 25°C±3°C (77°F±5°F).                                                                                                                                                |
| Float Charging Voltage                     | 6.75 to 6.9 VDC/unit Average at 25°C (77°F)                                                                                                                         |
| Recommended Maximum Charging Current Limit | 2.16A                                                                                                                                                               |
| Equalization and Cycle Service             | 7.2 to 7.5 VDC/unit Average at 25°C (77°F)                                                                                                                          |
| Self Discharge                             | CSB Batteries can be stored for more than 6 months at 25°C (77°F). Please charge batteries before using. For higher temperatures the time interval will be shorter. |
| Terminal                                   | F1/F2-Faston Tab187/250                                                                                                                                             |
| Container Material                         | ABS(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request.                                                                                |

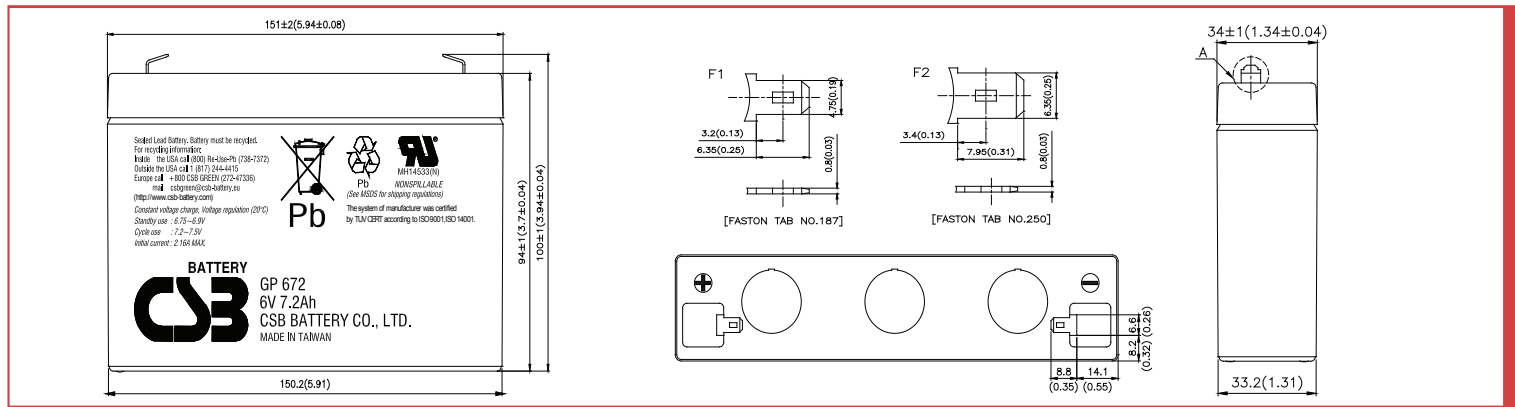


CSB-manufactured **VRLA** (Absorbent **G**lass **M**at type) batteries are UL-recognized components under UL1989.

CSB is also certified by ISO 9001 and ISO 14001.

### ► Dimensions :

| Overall Height (H) | Container height (h) | Length (L)      | Width (W)         |                  |
|--------------------|----------------------|-----------------|-------------------|------------------|
| Unit: mm (inch)    | 100±1 (3.94±0.04)    | 94±1 (3.7±0.04) | 151±2 (5.94±0.08) | 34±1 (1.34±0.04) |



### Constant Current Discharge Characteristics Unit:A (25°C,77°F)

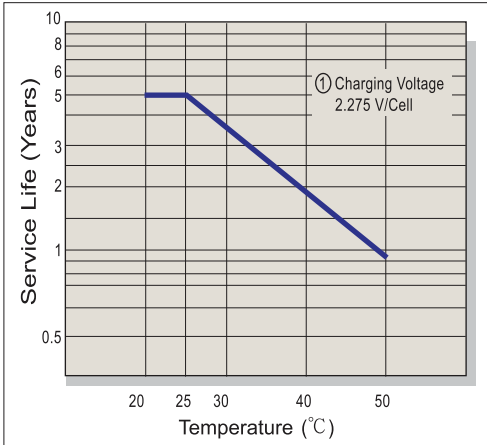
| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 60MIN | 90MIN | 2HR  | 3HR  | 5HR  | 8HR  | 10HR | 20HR |
|----------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1.60V    | 35.6 | 22.0  | 16.5  | 9.61  | 5.51  | 3.92  | 3.08 | 2.13 | 1.34 | 0.92 | 0.77 | 0.45 |
| 1.67V    | 33.1 | 21.0  | 15.9  | 9.36  | 5.41  | 3.85  | 3.02 | 2.08 | 1.31 | 0.90 | 0.76 | 0.44 |
| 1.70V    | 31.9 | 20.5  | 15.6  | 9.24  | 5.37  | 3.82  | 3.00 | 2.06 | 1.30 | 0.89 | 0.75 | 0.43 |
| 1.75V    | 29.6 | 19.6  | 15.1  | 9.03  | 5.30  | 3.77  | 2.96 | 2.02 | 1.27 | 0.88 | 0.74 | 0.42 |
| 1.80V    | 27.2 | 18.6  | 14.4  | 8.77  | 5.23  | 3.71  | 2.91 | 1.98 | 1.25 | 0.87 | 0.73 | 0.42 |
| 1.85V    | 24.5 | 17.4  | 13.7  | 8.44  | 5.14  | 3.66  | 2.87 | 1.95 | 1.22 | 0.86 | 0.71 | 0.40 |

### Constant Power Discharge Characteristics Unit:W (25°C,77°F)

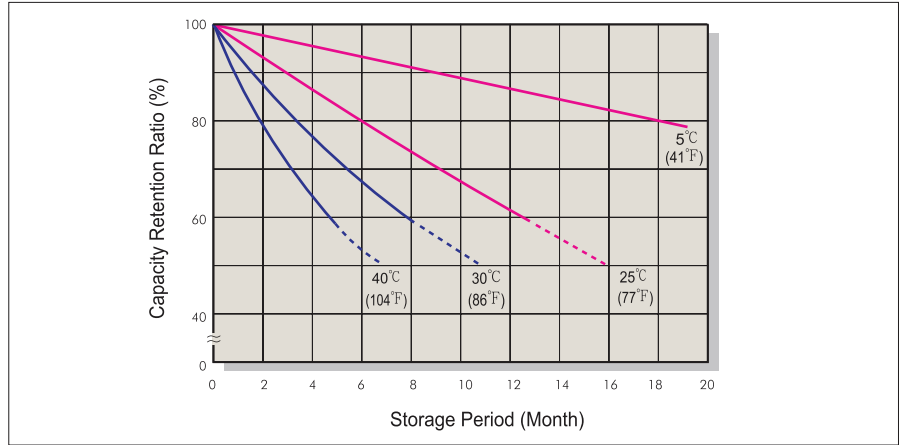
| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 60MIN | 90MIN | 2HR  | 3HR  | 5HR  | 8HR  | 10HR | 20HR |
|----------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1.60V    | 180  | 123   | 91.4  | 53.9  | 32.2  | 23.5  | 18.8 | 13.3 | 8.62 | 5.87 | 4.90 | 2.68 |
| 1.67V    | 170  | 118   | 88.7  | 52.9  | 31.8  | 23.2  | 18.5 | 13.2 | 8.50 | 5.80 | 4.84 | 2.63 |
| 1.70V    | 165  | 115   | 87.2  | 52.4  | 31.6  | 23.1  | 18.4 | 13.1 | 8.45 | 5.76 | 4.77 | 2.61 |
| 1.75V    | 157  | 111   | 85.0  | 51.6  | 31.2  | 22.8  | 18.2 | 13.0 | 8.36 | 5.70 | 4.73 | 2.57 |
| 1.80V    | 147  | 106   | 82.3  | 50.6  | 30.9  | 22.5  | 18.0 | 12.8 | 8.27 | 5.65 | 4.70 | 2.53 |
| 1.85V    | 138  | 101   | 79.2  | 49.5  | 30.4  | 22.1  | 17.7 | 12.6 | 8.16 | 5.60 | 4.64 | 2.49 |

Ratings presented herein are subject to revision without notice. Please refer to [www.csb-battery.com](http://www.csb-battery.com) to confirm the latest version.

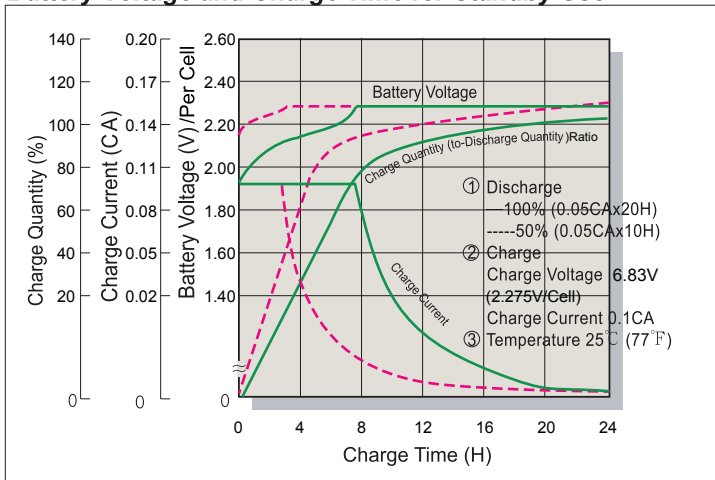
### Trickle (or Float) Service Life



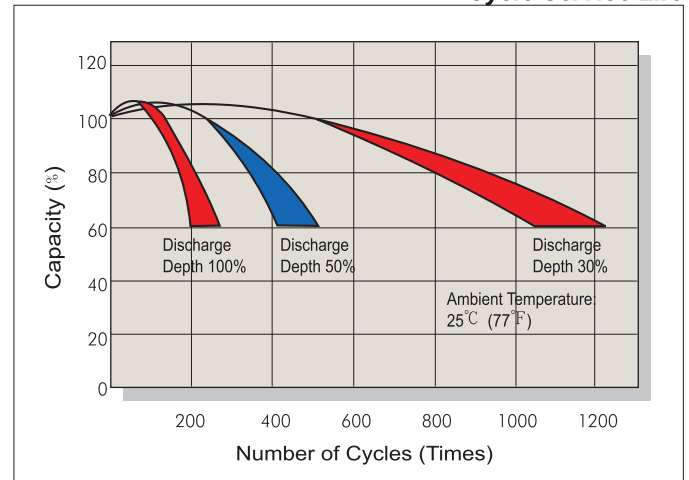
### Capacity Retention Characteristic



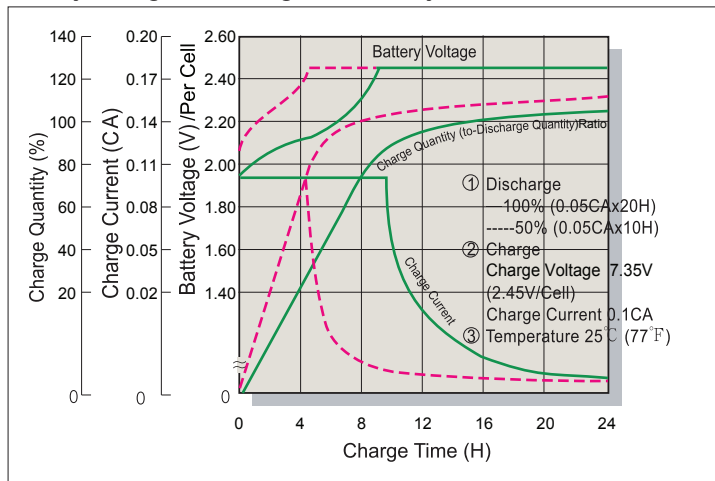
### Battery Voltage and Charge Time for Standby Use



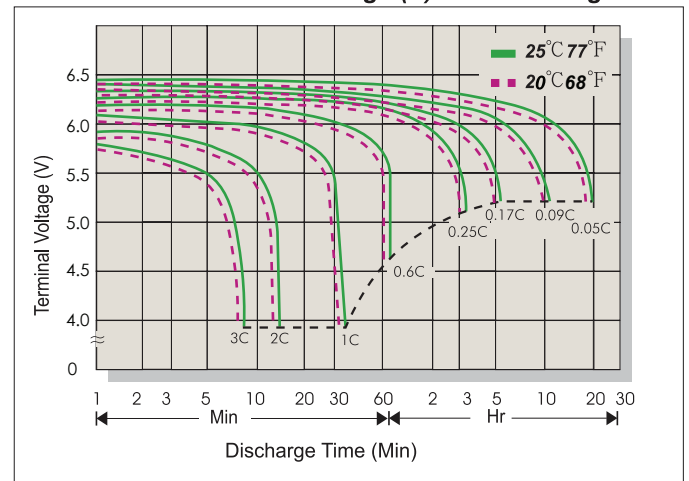
### Cycle Service Life



### Battery Voltage and Charge Time for Cycle Use



### Terminal Voltage (V) and Discharge Time



### Charging Procedures

| Application | Charge Voltage(V/Cell) |           |                 | Max.Charge Current |
|-------------|------------------------|-----------|-----------------|--------------------|
|             | Temperature            | Set Point | Allowable Range |                    |
| Cycle Use   | 25°C (77°F)            | 2.45      | 2.40~2.50       | 0.3C               |
| Standby     | 25°C (77°F)            | 2.275     | 2.25~2.30       |                    |

### Discharge Current VS. Discharge Voltage

| Final Discharge Voltage V/Cell | 1.75     | 1.70          | 1.60          | 1.30     |
|--------------------------------|----------|---------------|---------------|----------|
| Discharge Current(A)           | 0.2C>(A) | 0.2C<(A)<0.5C | 0.5C<(A)<1.0C | (A)>1.0C |

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