



# GP series GP 1272



## Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.  
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

### General Design for Standby Power Applications

#### 【Design Life】

Up to 5 Years in Standby Service at 25°C  
Eurobat (20°C) : 3-5 YEARS STANDARD COMMERCIAL

#### 【Operating Temperature Range】

Nominal Operating Temperature : 25°C (77°F)  
Discharge : -15°C ~ 50°C (5°F~122°F)  
Charge: -15°C ~ 40°C (5°F~104°F)  
Storage: -15°C ~ 40°C (5°F~104°F)

#### 【Float Charging Voltage】

13.5 ~ 13.8 VDC/Unit at 25°C (77°F)

#### 【Equalization Charging Voltage】

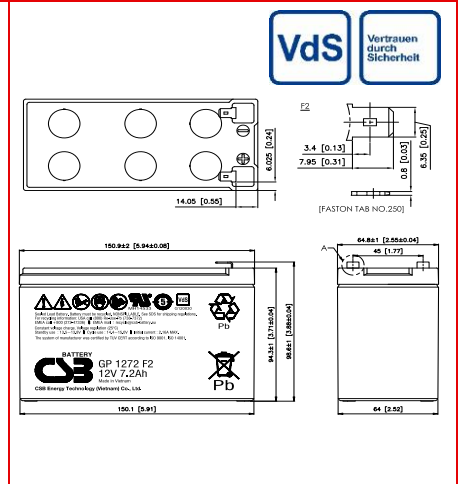
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

#### 【Self Discharge】

Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);  
Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

### Specification Design according with IEC 61056-1/2:2012

|                            |   |              |                |
|----------------------------|---|--------------|----------------|
| Nominal Voltage            | 12V (6 cells per unit)  |              |                |
| Nominal Capacity           | 7.2Ah @20hr-rate to 1.75V per cell @25°C (77°F)                 |              |                |
| Weight                     | Approx. 2.40 Kg (5.29 lbs)                                      |              |                |
| Maximum Discharge Current  | 100/130A (5sec)   |              |                |
| Internal Resistance        | Approx. 23.0mΩ  |              |                |
| Short Circuit Current      | 276A  |              |                |
| Maximum Charge Current     | 2.16A   |              |                |
| Terminal types             | F1/F2 terminal -Faston Tab 187/250                              |              |                |
| Terminal tightening torque | --  |              |                |
| Container Material         | ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request |              |                |
| Dimensions                 | Length (L)  | 150.9±2.0 mm | 5.94±0.08 inch |
|                            | Width (W)   | 64.8±1.0 mm  | 2.55±0.04 inch |
|                            | Container Height (h)  | 94.3±1.0 mm  | 3.71±0.04 inch |
|                            | Overall Height (H)  | 98.6±1.0 mm  | 3.88±0.04 inch |



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

| F.V/Time | 5 MIN | 10MIN | 15MIN | 30MIN | 60MIN | 90MIN | 2HR  | 3HR  | 5HR  | 8HR   | 10HR  | 20HR  |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|
| 1.60V    | 34.3  | 21.1  | 15.4  | 8.89  | 5.15  | 3.74  | 2.97 | 2.15 | 1.42 | 0.940 | 0.774 | 0.416 |
| 1.67V    | 32.8  | 20.8  | 15.3  | 8.87  | 5.14  | 3.73  | 2.96 | 2.14 | 1.41 | 0.937 | 0.771 | 0.415 |
| 1.70V    | 31.9  | 20.5  | 15.1  | 8.83  | 5.13  | 3.72  | 2.95 | 2.13 | 1.40 | 0.936 | 0.770 | 0.414 |
| 1.75V    | 30.0  | 19.8  | 14.8  | 8.72  | 5.09  | 3.71  | 2.94 | 2.12 | 1.39 | 0.932 | 0.767 | 0.412 |
| 1.80V    | 27.6  | 18.6  | 14.2  | 8.49  | 4.99  | 3.66  | 2.91 | 2.10 | 1.38 | 0.921 | 0.758 | 0.407 |
| 1.85V    | 24.4  | 16.9  | 13.1  | 8.06  | 4.80  | 3.54  | 2.81 | 2.04 | 1.33 | 0.892 | 0.734 | 0.393 |

### 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    | 362  | 233   | 174   | 104   | 60.4  | 44.1  | 35.1 | 25.4 | 17.1 | 11.5 | 9.45 | 5.04 |
| 1.67V    | 352  | 230   | 172   | 103   | 60.2  | 44.0  | 35.0 | 25.3 | 17.0 | 11.4 | 9.43 | 5.03 |
| 1.70V    | 345  | 227   | 171   | 102   | 60.1  | 43.9  | 34.9 | 25.2 | 16.9 | 11.3 | 9.42 | 5.02 |
| 1.75V    | 329  | 219   | 168   | 101   | 59.8  | 43.8  | 34.8 | 25.1 | 16.8 | 11.2 | 9.39 | 5.01 |
| 1.80V    | 304  | 207   | 162   | 100   | 58.9  | 43.3  | 34.5 | 25.0 | 16.7 | 11.1 | 9.31 | 4.95 |
| 1.85V    | 273  | 192   | 151   | 95.5  | 56.9  | 42.0  | 33.5 | 24.4 | 16.3 | 11.0 | 9.06 | 4.80 |

Please refer to the official site for the latest rating confirmation. URL: [www.csb-battery.cn](http://www.csb-battery.cn)

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Recognized under UL 1989,  
and certified by ISO 9001, 14001, 45001, 50001.



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