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# GP 12260 ▶ 12V 26Ah

GP 12260 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                             | 6                                                                                                                                                                  |
| Voltage Per Unit                           | 12                                                                                                                                                                 |
| Capacity                                   | 26 Ah @ 20hr-rate to 1.75V per cell @25 °C(77°F)                                                                                                                   |
| Weight                                     | Approx. 8.45 kg(18.63 lbs)                                                                                                                                         |
| Maximum Discharge Current                  | 350A(5sec)                                                                                                                                                         |
| Internal Resistance                        | Approx. 11 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                     | 13.5 to 13.8 VDC/unit Average at 25°C(77°F)                                                                                                                        |
| Recommended Maximum Charging Current Limit | 7.8A                                                                                                                                                               |
| Equalization and Cycle Service             | 14.4 to 15.0 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                                   | B1/B3/B3B-L terminal to accept M5 nut & bolt                                                                                                                       |
| Container Material                         | ABS(UL 94-HB/File E50263)*Flammability resistance of (UL 94-V0/File E88637) can be available upon request.                                                         |

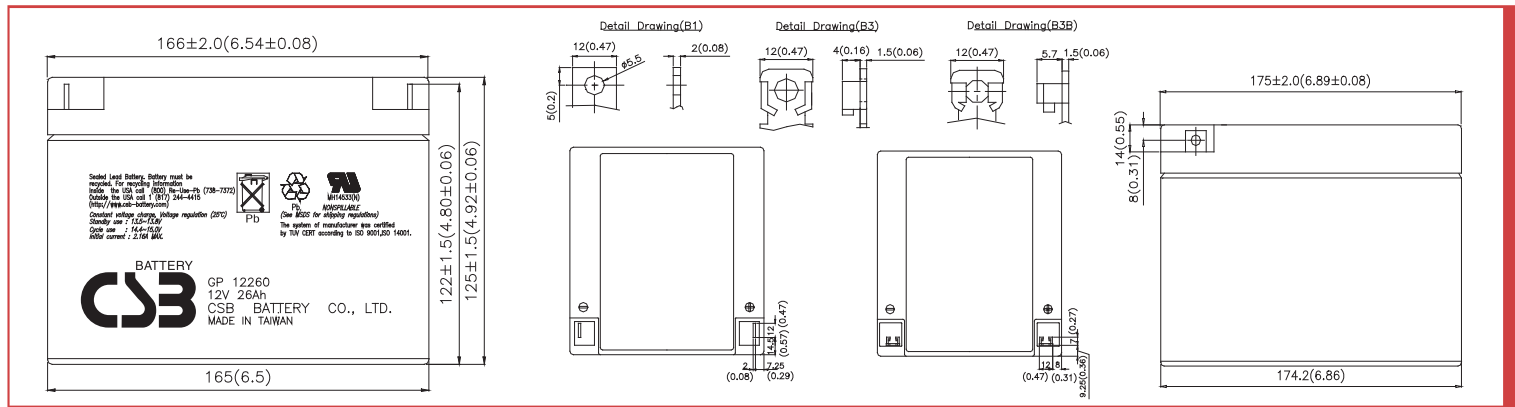


CSB-manufactured batteries are UL-recognized components under UL924 and UL1989. CSB is also certified by ISO 9001 and ISO 14001.

## ► Dimensions :

Unit: mm (inch)

| Overall Height (H)  | Container height (h) | Length (L)        | Width (W)         |
|---------------------|----------------------|-------------------|-------------------|
| 125±1.5 (4.92±0.06) | 122±1.5 (4.8±0.06)   | 175±2 (6.89±0.08) | 166±2 (6.54±0.08) |



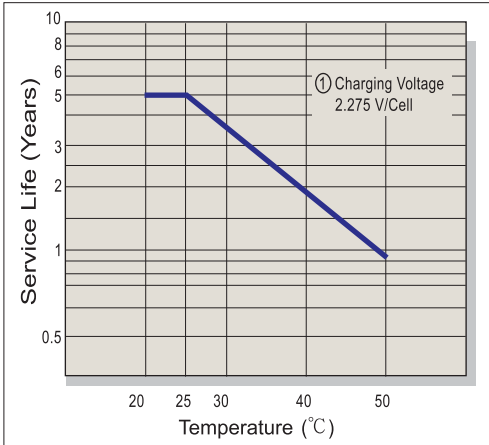
## Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR  | 2HR  | 3HR  | 4HR  | 5HR  | 8HR  | 10HR | 20HR |
|----------|------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.60V    | 106  | 69.0  | 52.8  | 32.7  | 19.6 | 11.5 | 8.14 | 6.37 | 5.24 | 3.46 | 2.82 | 1.47 |
| 1.67V    | 99.0 | 65.9  | 51.1  | 32.3  | 19.5 | 11.4 | 8.13 | 6.36 | 5.23 | 3.43 | 2.79 | 1.43 |
| 1.70V    | 95.7 | 64.6  | 50.4  | 32.2  | 19.4 | 11.3 | 8.12 | 6.35 | 5.22 | 3.42 | 2.78 | 1.41 |
| 1.75V    | 89.7 | 62.0  | 49.0  | 31.6  | 19.3 | 11.2 | 8.11 | 6.34 | 5.21 | 3.39 | 2.74 | 1.37 |
| 1.80V    | 83.3 | 59.4  | 47.5  | 31.1  | 19.2 | 11.1 | 8.10 | 6.33 | 5.19 | 3.35 | 2.70 | 1.33 |
| 1.85V    | 76.7 | 56.5  | 45.8  | 30.5  | 19.1 | 11.0 | 8.09 | 6.32 | 5.17 | 3.32 | 2.66 | 1.29 |

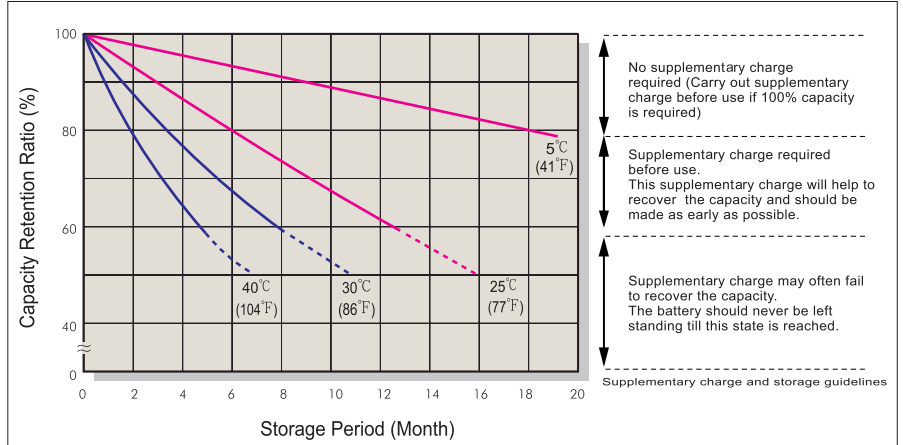
## Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

| F.V/Time | 5MIN  | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR  | 4HR  | 5HR  | 8HR  | 10HR | 20HR |
|----------|-------|-------|-------|-------|-----|-----|------|------|------|------|------|------|
| 1.60V    | 1,270 | 828   | 634   | 392   | 235 | 138 | 97.7 | 76.4 | 62.9 | 41.5 | 33.8 | 17.6 |
| 1.67V    | 1,181 | 790   | 610   | 385   | 234 | 137 | 97.6 | 76.3 | 62.8 | 41.2 | 33.5 | 17.1 |
| 1.70V    | 1,139 | 772   | 602   | 382   | 233 | 136 | 97.5 | 76.2 | 62.7 | 41.0 | 33.3 | 16.9 |
| 1.75V    | 1,071 | 744   | 586   | 378   | 232 | 135 | 97.4 | 76.1 | 62.6 | 40.6 | 32.9 | 16.5 |
| 1.80V    | 999   | 713   | 570   | 373   | 231 | 134 | 97.3 | 76.0 | 62.3 | 40.2 | 32.4 | 16.0 |
| 1.85V    | 920   | 678   | 550   | 367   | 230 | 133 | 97.2 | 75.9 | 62.1 | 39.8 | 32.0 | 15.6 |

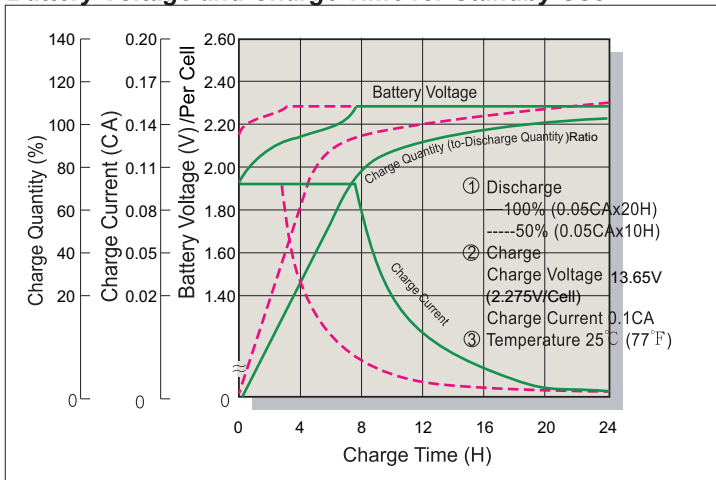
### Trickle (or Float) Service Life



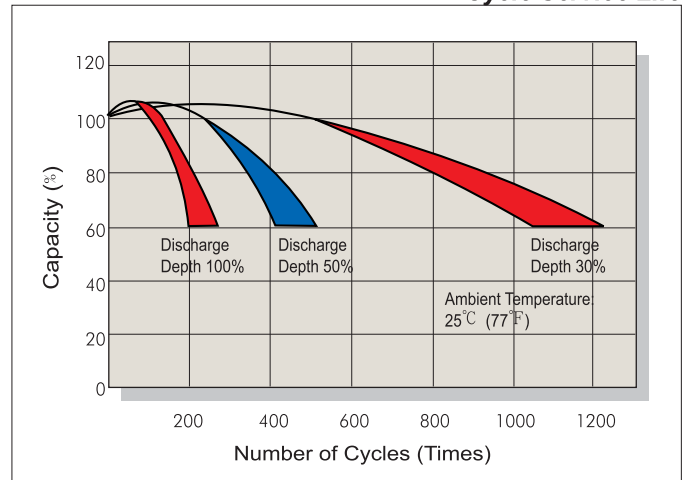
### Capacity Retention Characteristic



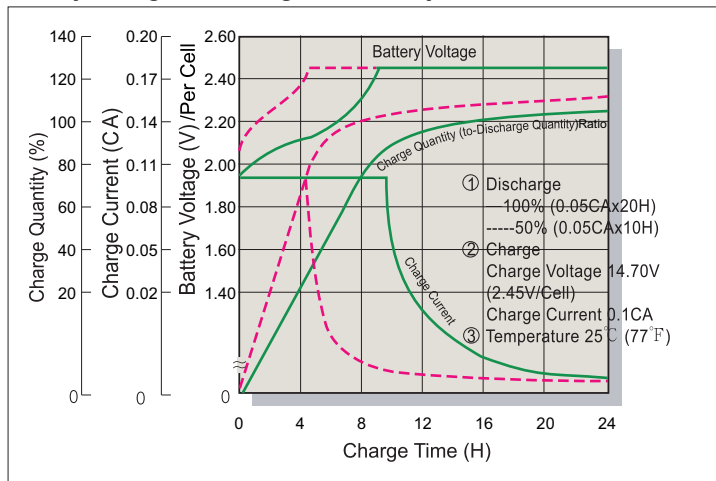
### Battery Voltage and Charge Time for Standby Use



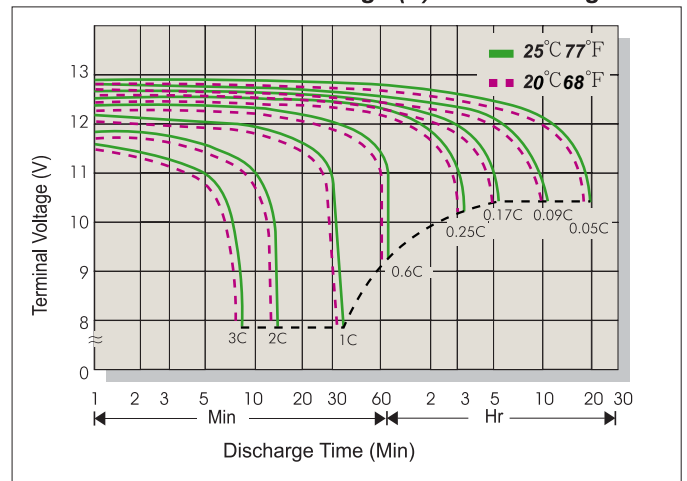
### Cycle Service Life



### 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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