



GP series

GP 12340 12V 34AH



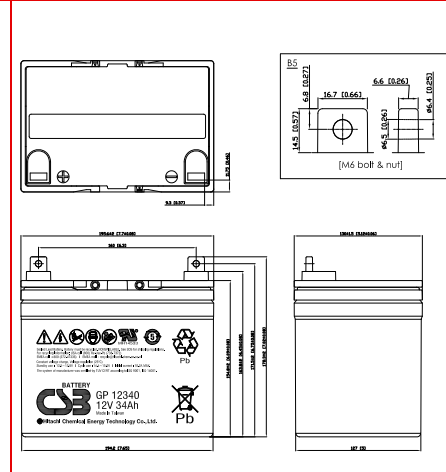
Valve Regulated Lead Acid Battery

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

Design for Standby Power Applications

| | |
|--|---|
| <p>【Design Life】 Up to 5 Years in Standby Service at 25°C Eurobat (20°C) : 3-5 years, Standard Commercial</p> <p>【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)</p> | <p>【Float Charging Voltage】 13.5 ~ 13.8 VDC/Unit at 25°C (77°F)</p> <p>【Equalization Charging Voltage】 14.4 ~ 15.0 VDC/Unit at 25°C (77°F)</p> <p>【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).</p> |
|--|---|

| Specification | | Design according with IEC 61056-1/2: 2012 | |
|---------------------------|---|---|----------------|
| Nominal Voltage | 12V (6 cells per unit) | | |
| Nominal Capacity | 34 Ah @20hr-rate to 1.75V per cell @25°C (77°F) | | |
| Weight | Approx. 10.48 Kg (23.10 lbs) | | |
| Maximum Discharge Current | 380A (5sec) | | |
| Internal Resistance | Approx. 9.5mΩ | | |
| Short Circuit Current | 915A | | |
| Maximum Charge Current | 10.20A | | |
| Terminal types | B5 terminal to accept M6 bolt | | |
| Terminal hardware Torque | 138.6 Kgf-cr 120.3 lbf-in 13.58 N-m | | |
| Container Material | ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request | | |
| Dimensions | Length (L) | 195.6±2.0 mm | 7.70±0.08 inch |
| | Width (W) | 130.0±1.5 mm | 5.12±0.08 inch |
| | Container Height (h) | 154.8±2.0 mm | 6.09±0.08 inch |
| | Overall Height (H) | 178.3±2.0 mm | 7.02±0.08 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 | 144 | 91.7 | 69.3 | 42.1 | 25.0 | 18.2 | 14.5 | 10.3 | 6.55 | 4.26 | 3.48 | 1.86 |
| 1.67V | 128 | 85.5 | 65.5 | 41.3 | 24.7 | 18.0 | 14.4 | 10.2 | 6.50 | 4.23 | 3.43 | 1.78 |
| 1.70V | 121 | 82.8 | 63.8 | 40.8 | 24.5 | 17.9 | 14.3 | 10.1 | 6.49 | 4.23 | 3.41 | 1.75 |
| 1.75V | 110 | 77.5 | 61.2 | 40.0 | 24.4 | 17.8 | 14.2 | 10.0 | 6.47 | 4.18 | 3.35 | 1.69 |
| 1.80V | 98.0 | 72.3 | 58.8 | 39.2 | 24.0 | 17.6 | 14.1 | 9.9 | 6.45 | 4.14 | 3.30 | 1.64 |
| 1.85V | 86.3 | 67.0 | 55.7 | 38.2 | 23.6 | 17.4 | 14.0 | 9.8 | 6.43 | 4.09 | 3.24 | 1.58 |

| 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 | 1732 | 1100 | 832 | 505 | 300 | 218 | 174 | 124 | 78.6 | 51.1 | 41.7 | 21.6 |
| 1.67V | 1539 | 1026 | 788 | 495 | 297 | 216 | 173 | 123 | 78.1 | 50.8 | 41.1 | 20.7 |
| 1.70V | 1456 | 994 | 771 | 490 | 295 | 215 | 172 | 122 | 77.9 | 50.7 | 40.9 | 20.3 |
| 1.75V | 1316 | 931 | 739 | 481 | 292 | 213 | 171 | 121 | 77.7 | 50.2 | 40.3 | 19.6 |
| 1.80V | 1176 | 867 | 705 | 470 | 288 | 212 | 170 | 120 | 77.4 | 49.6 | 39.6 | 18.9 |
| 1.85V | 1036 | 804 | 669 | 458 | 283 | 209 | 169 | 119 | 77.2 | 49.1 | 39.0 | 18.2 |

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com Issued: 170201

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