



GP series

GP 121000 12V 100AH



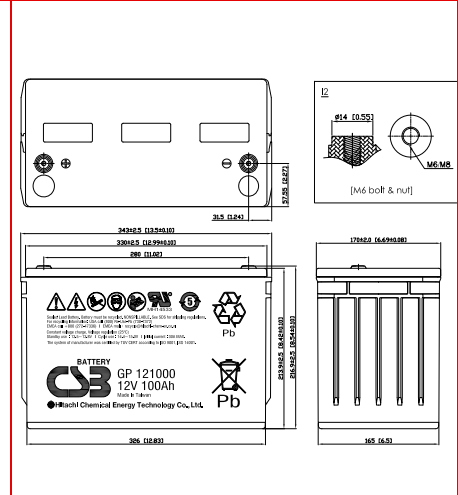
Valve Regulated Lead Acid Battery

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 60896-21/22: 2004 | |
|---------------------------|--|---|-----------------|
| Nominal Voltage | 12V (6 cells per unit) | | |
| Nominal Capacity | 100 Ah @20hr-rate to 1.75V per cell @25°C (77°F) | | |
| Weight | Approx. 30.60 Kg (67.44 lbs) | | |
| Maximum Discharge Current | 800A (5sec) | | |
| Internal Resistance | Approx. 4.4mΩ | | |
| Short Circuit Current | 2323A | | |
| Maximum Charge Current | 30.00A | | |
| Terminal types | I2 thread lead alloy terminal to accept M6 bolt | | |
| Terminal hardware Torque | 138.6 Kgf-cm / 120.3 Lbf-in / 13.58 N-m | | |
| Container Material | PP (UL 94-HB) & Flame Retardant (94-V0) available upon request | | |
| Dimensions | Length (L) | 343.0±2.5 mm | 13.50±0.10 inch |
| | Width (W) | 170.0±2.0 mm | 6.69±0.08 inch |
| | Container Height (h) | 213.9±2.5 mm | 8.42±0.10 inch |
| | Overall Height (H) | 216.9±2.5 mm | 8.54±0.10 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 | 372 | 257 | 197 | 121 | 70.1 | 50.4 | 39.9 | 29.0 | 18.6 | 12.3 | 10.1 | 5.26 | |
| 1.67V | 326 | 242 | 187 | 117 | 68.8 | 49.5 | 39.2 | 28.6 | 18.3 | 12.1 | 9.94 | 5.23 | |
| 1.70V | 315 | 234 | 183 | 116 | 68.1 | 49.1 | 38.9 | 28.4 | 18.2 | 12.0 | 9.86 | 5.20 | |
| 1.75V | 286 | 213 | 175 | 113 | 66.8 | 48.3 | 38.4 | 27.9 | 17.9 | 11.8 | 9.72 | 5.10 | |
| 1.80V | 241 | 192 | 157 | 105 | 65.4 | 47.3 | 37.6 | 27.3 | 17.5 | 11.5 | 9.59 | 5.00 | |
| 1.85V | 202 | 165 | 135 | 96.8 | 62.5 | 46.0 | 36.6 | 26.5 | 17.1 | 11.2 | 9.24 | 4.80 | |

| 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 | 3593 | 2696 | 2223 | 1366 | 802 | 579 | 459 | 335 | 216 | 143 | 117 | 61.1 | |
| 1.67V | 3463 | 2557 | 2094 | 1325 | 785 | 569 | 453 | 328 | 213 | 141 | 115 | 60.5 | |
| 1.70V | 3307 | 2505 | 2036 | 1306 | 778 | 564 | 449 | 325 | 211 | 140 | 114 | 60.0 | |
| 1.75V | 2954 | 2359 | 1931 | 1267 | 763 | 553 | 441 | 320 | 208 | 138 | 113 | 59.5 | |
| 1.80V | 2675 | 2222 | 1815 | 1218 | 746 | 542 | 432 | 313 | 203 | 135 | 111 | 58.9 | |
| 1.85V | 2451 | 1958 | 1610 | 1165 | 725 | 528 | 422 | 306 | 198 | 132 | 109 | 56.6 | |

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

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