



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

【Design Life】

Up to 10 Years in Standby Service at 25°C

Eurobat (20°C) : 10-12 years, Long Life

【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】

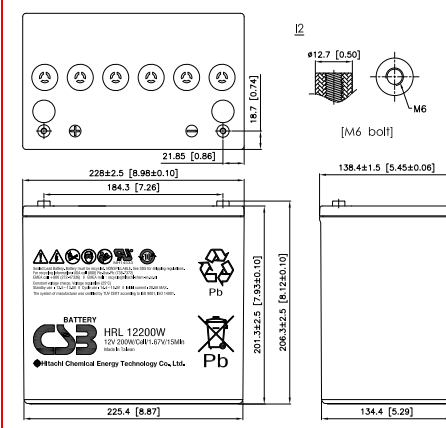
Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);

Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

Specification

Design according with IEC 60896-21/22:2004

| | | |
|---------------------------|--|-----------------------------|
| Nominal Voltage | 12V (6 cells per unit) | |
| Nominal Capacity | 215W @15min-rate to 1.67V per cell @25°C (77°F) | |
| Weight | Approx. 17.30 Kg (38.13 lbs) | |
| Maximum Discharge Current | 400A (5sec) | |
| Internal Resistance | Approx. 5.50 mΩ | |
| Short Circuit Current | 1509A | |
| Maximum Charge Current | 20.0A | |
| Terminal types | I2 thread lead alloy terminal to accept M6 bolt | |
| Terminal breaking 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) | 228.0±2.5 mm 8.98±0.10 inch |
| | Width (W) | 138.4±1.5 mm 5.45±0.06 inch |
| | Container Height (h) | 201.3±2.5 mm 7.93±0.10 inch |
| | Overall Height (H) | 206.3±2.5 mm 8.12±0.10 inch |



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

| F.V/Time | 2MIN | 4MIN | 5MIN | 6MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 60MIN | 90MIN |
|----------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 1.60V | 304 | 256 | 243 | 221 | 190 | 164 | 123 | 98.9 | 71.9 | 52.6 | 41.8 | 29.9 |
| 1.67V | 279 | 232 | 218 | 205 | 177 | 157 | 118 | 97.0 | 71.2 | 52.0 | 41.2 | 29.5 |
| 1.70V | 260 | 218 | 209 | 196 | 170 | 151 | 116 | 95.7 | 70.3 | 51.8 | 41.1 | 29.4 |
| 1.75V | 233 | 197 | 192 | 176 | 156 | 141 | 111 | 92.0 | 68.2 | 50.7 | 40.3 | 29.1 |
| 1.80V | 198 | 172 | 165 | 156 | 140 | 126 | 102 | 85.2 | 64.6 | 48.7 | 38.9 | 28.2 |
| 1.85V | 162 | 146 | 145 | 136 | 120 | 110 | 91.3 | 76.1 | 59.0 | 45.3 | 36.2 | 26.6 |

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

| F.V/Time | 2MIN | 4MIN | 5MIN | 6MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 60MIN | 90MIN |
|----------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 1.60V | 3094 | 2572 | 2448 | 2279 | 1962 | 1745 | 1333 | 1098 | 816 | 602 | 476 | 343 |
| 1.67V | 2861 | 2395 | 2306 | 2127 | 1874 | 1666 | 1308 | 1083 | 809 | 600 | 475 | 342 |
| 1.70V | 2732 | 2308 | 2207 | 2045 | 1815 | 1625 | 1282 | 1066 | 796 | 596 | 474 | 339 |
| 1.75V | 2458 | 2120 | 2022 | 1904 | 1717 | 1523 | 1232 | 1027 | 772 | 585 | 464 | 335 |
| 1.80V | 2231 | 1889 | 1840 | 1765 | 1562 | 1409 | 1158 | 959 | 738 | 564 | 452 | 326 |
| 1.85V | 1764 | 1691 | 1659 | 1544 | 1376 | 1255 | 1035 | 873 | 687 | 529 | 423 | 310 |

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

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

