



**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】**

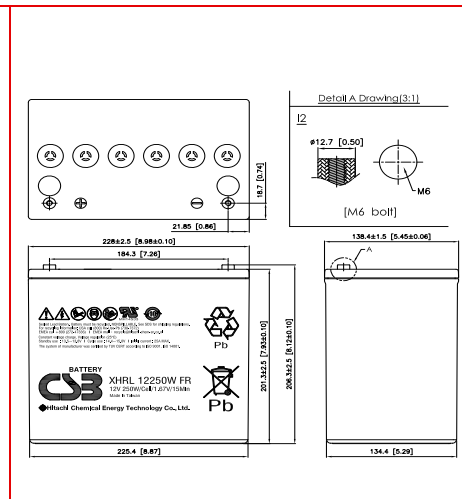
Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);

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          | 250W @15min-rate to 1.67V per cell @25°C (77°F) |              |                |
| Weight                    | Approx. 18.30 Kg (40.33 lbs)                    |              |                |
| Maximum Discharge Current | 400A (5sec)                                     |              |                |
| Internal Resistance       | Approx. 4.20 mΩ                                 |              |                |
| Short Circuit Current     | 1781A   |              |                |
| Maximum Charge Current    | 22.5A   |              |                |
| 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        | Flame Retardant Polypropylene (UL 94-V0)        |              |                |
| 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    | 403  | 326  | 293  | 267  | 224  | 192   | 142   | 113   | 81.4  | 57.7  | 45.2  | 32.0  |
| 1.67V    | 368  | 296  | 271  | 247  | 212  | 183   | 138   | 110   | 80.4  | 57.1  | 44.8  | 31.8  |
| 1.70V    | 348  | 283  | 259  | 238  | 205  | 178   | 135   | 108   | 79.7  | 56.7  | 44.5  | 31.7  |
| 1.75V    | 315  | 258  | 237  | 221  | 190  | 168   | 129   | 105   | 77.6  | 55.5  | 43.8  | 31.3  |
| 1.80V    | 277  | 231  | 216  | 198  | 173  | 154   | 121   | 98.7  | 74.1  | 53.4  | 42.4  | 30.5  |
| 1.85V    | 234  | 201  | 185  | 173  | 153  | 137   | 111   | 90.9  | 68.6  | 49.9  | 39.9  | 29.0  |

**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    | 3948 | 3231 | 2934 | 2712 | 2317 | 2025  | 1546  | 1248  | 923   | 663   | 524   | 377   |
| 1.67V    | 3665 | 3017 | 2779 | 2598 | 2220 | 1966  | 1516  | 1229  | 914   | 658   | 521   | 375   |
| 1.70V    | 3524 | 2914 | 2703 | 2512 | 2165 | 1926  | 1495  | 1214  | 906   | 653   | 518   | 373   |
| 1.75V    | 3287 | 2734 | 2550 | 2345 | 2055 | 1830  | 1444  | 1179  | 886   | 642   | 510   | 369   |
| 1.80V    | 2950 | 2525 | 2314 | 2155 | 1917 | 1702  | 1372  | 1126  | 851   | 620   | 496   | 361   |
| 1.85V    | 2610 | 2205 | 2064 | 1955 | 1714 | 1545  | 1270  | 1046  | 796   | 585   | 470   | 345   |

\*\*Preliminary spec sheet

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

