



### 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 8 Years in Standby Service at 25°C

Eurobat (20°C) : 6-9 years, General Purpose

#### 【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】

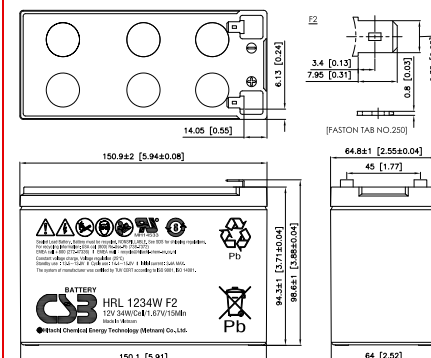
Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);

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

### Specification

Design according with IEC 61056-1/2:2012

|                           |                                                                 |                             |
|---------------------------|-----------------------------------------------------------------|-----------------------------|
| Nominal Voltage           | 12V (6 cells per unit)                                          |                             |
| Nominal Capacity          | 34W @15min-rate to 1.67V per cell @25°C (77°F)                  |                             |
| Weight                    | Approx. 2.70 Kg (5.95 lbs)                                      |                             |
| Maximum Discharge Current | 130A (5sec)                                                     |                             |
| Internal Resistance       | Approx. 17.0 mΩ                                                 |                             |
| Short Circuit Current     | 367A                                                            |                             |
| Maximum Charge Current    | 3.4A                                                            |                             |
| Terminal types            | F2 terminal -Faston Tab 250                                     |                             |
| Terminal breaking Torque  | --                                                              |                             |
| Container Material        | ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request |                             |
| Dimensions                | Length (L)                                                      | 150.9±2.0 mm 5.94±0.08 inch |
|                           | Width (W)                                                       | 64.8±1.0 mm 2.55±0.04 inch  |
|                           | Container Height (h)                                            | 94.3±1.0 mm 3.71±0.04 inch  |
|                           | Overall Height (H)                                              | 98.6±1.0 mm 3.88±0.04 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    | 77.1 | 50.2 | 43.1 | 37.9 | 30.7 | 25.9  | 18.8  | 14.8  | 10.7  | 7.59  | 5.97  | 4.26  |
| 1.67V    | 69.6 | 48.0 | 41.7 | 36.9 | 30.2 | 25.6  | 18.6  | 14.7  | 10.6  | 7.56  | 5.95  | 4.25  |
| 1.70V    | 66.0 | 46.6 | 40.8 | 36.2 | 29.7 | 25.4  | 18.5  | 14.6  | 10.5  | 7.55  | 5.94  | 4.24  |
| 1.75V    | 60.0 | 43.6 | 38.5 | 34.6 | 28.7 | 24.6  | 18.2  | 14.4  | 10.4  | 7.48  | 5.90  | 4.22  |
| 1.80V    | 53.2 | 39.8 | 35.5 | 32.3 | 27.0 | 23.4  | 17.5  | 14.0  | 10.2  | 7.32  | 5.79  | 4.16  |
| 1.85V    | 45.8 | 35.3 | 31.9 | 29.0 | 24.8 | 21.4  | 16.4  | 13.2  | 9.69  | 6.99  | 5.55  | 4.00  |

### 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    | 754  | 530  | 464  | 412  | 339  | 290   | 215   | 171   | 125   | 89.4  | 70.9  | 51.1  |
| 1.67V    | 699  | 514  | 452  | 404  | 334  | 287   | 213   | 170   | 124   | 89.2  | 70.7  | 51.0  |
| 1.70V    | 689  | 503  | 443  | 398  | 330  | 284   | 212   | 169   | 123   | 89.0  | 70.6  | 50.9  |
| 1.75V    | 639  | 477  | 424  | 383  | 321  | 278   | 209   | 167   | 122   | 88.3  | 70.2  | 50.7  |
| 1.80V    | 582  | 441  | 397  | 359  | 306  | 266   | 203   | 163   | 120   | 86.8  | 69.1  | 50.1  |
| 1.85V    | 515  | 400  | 359  | 329  | 283  | 247   | 191   | 155   | 115   | 83.4  | 66.6  | 48.5  |

Please refer to the official site for the latest rating confirmation. URL: [www.csb-battery.com](http://www.csb-battery.com)

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

