# HRL Series

## HRL 1234W Datasheet

12V Top Terminal VRLA-AGM


## Specifications

| | |
|---|---|
| Voltage (Vdc) | 12 |
| Nominal Capacity (1.67 VPC @25°C) | 34W @15min-rate |
| Watts Per Cell (30-Sec 1.67 VPC @ 25°C) | -- |
| Watts Per Cell (5-Min 1.67 VPC @ 25°) | 75.34 |
| Watts Per Cell (15-Min 1.67 VPC @ 25°) | 35.50 |
| Max Charge Current (A) | 3.40 |
| Max Discharge Current (A) | 130 |
| Short Circuit Current (A) | 367 |
| Internal Resistance (mΩ) | Approx. 17.0 |
| Terminal Type | F2 terminal -Faston Tab 250 |
| Terminal Torque | -- |
| Container Material | ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request |
| Weight (kg. / lb., Approx.) | 2.70 / 5.95 |
| Length (L) (mm / in) | 150.9±2.0 / 5.94±0.08 |
| Width (W) (mm / in) | 64.8±1.0 / 2.55±0.04 |
| Height (H) (mm / in) | 98.6±1.0 / 3.88±0.04 |
| Design Life | Up to 8 Years in Standby Service at 25°C<br>Eurobat (20°C): 10-12 Years Standard Commercial |
| Operating Temperature | Nominal: 25°C (77°F)<br>Discharge: -15°C - 50°C (5°F-122°F)<br>Charge/Storage: -15°C - 40°C (5°F – 104°F) |
| Float Charging Voltage | 13.5 - 13.8 Vdc/battery 25°C (77°F) |
| Eq. Charging Voltage | 14.4 - 15.0 Vdc/battery 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). |

Valve Regulated Lead Acid (VRLA) Battery

Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%

Pure Lead Construction and Proprietary Elements

Designed for High-Rate UPS, Float Service Standby Power Applications

Built in Accordance with IEC 61056-1/2:2012 and UL1989 Recognized (MH14533)

MH14533

11F, No. 150, Sec. 4, Chengde Rd., Shilin Dist., Taipei City 111052, Taiwan (R.O.C.)
Tel: +886-2-2880-5600 Mail: service@csb-battery.com.tw

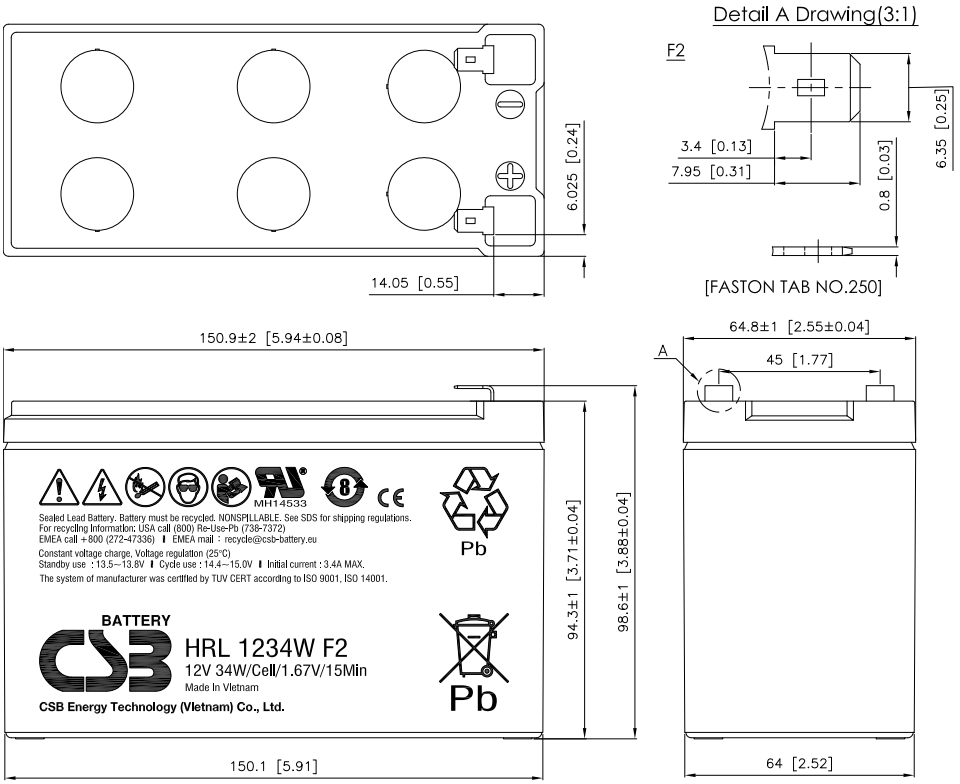
# HRL Series

## HRL 1234W Datasheet

12V Top Terminal VRLA-AGM

| 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** |
| 10.02V (1.67 VPC) | 69.6 | 48.0 | 41.7 | 36.9 | 30.2 | 25.6 | 18.6 | 14.7 | 10.60 | 7.56 | 5.95 | 4.25 |
| 10.50V (1.75 VPC) | 60.0 | 43.6 | 38.5 | 34.6 | 28.7 | 24.6 | 18.2 | 14.4 | 10.40 | 7.48 | 5.90 | 4.22 |
| 10.80V (1.80 VPC) | 53.2 | 39.8 | 35.5 | 32.3 | 27.0 | 23.4 | 17.5 | 14.0 | 10.19 | 7.32 | 5.79 | 4.16 |

| 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** |
| 10.02V (1.67 VPC) | 699 | 514 | 452 | 404 | 334 | 287 | 213 | 170 | 124 | 89.2 | 70.7 | 51.0 |
| 10.50V (1.75 VPC) | 639 | 477 | 424 | 383 | 321 | 278 | 209 | 167 | 122 | 88.3 | 70.2 | 50.7 |
| 10.80V (1.80 VPC) | 582 | 441 | 397 | 359 | 306 | 266 | 203 | 163 | 120 | 86.8 | 69.1 | 50.1 |





11F, No. 150, Sec. 4, Chengde Rd., Shilin Dist., Taipei City 111052, Taiwan (R.O.C.)
Tel: +886-2-2880-5600 Mail: service@csb-battery.com.tw