# HRL Series

## HRL 1225W Datasheet

12V Top Terminal VRLA-AGM

| Specifications | |
|---|---|
| Voltage (Vdc) | 12 |
| Nominal Capacity (1.67 VPC @25°C) | 25W @15min-rate |
| Watts Per Cell (30-Sec 1.67 VPC @ 25°C) | -- |
| Watts Per Cell (5-Min 1.67 VPC @ 25°) | 54.16 |
| Watts Per Cell (15-Min 1.67 VPC @ 25°) | 25.67 |
| Max Charge Current (A) | 2.50 |
| Max Discharge Current (A) | 130 |
| Short Circuit Current (A) | 328 |
| Internal Resistance (mΩ) | Approx. 19.60 |
| 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.) | Approx. 1.95 / 4.30 |
| Length (L) (mm / in) | 90.0±1.0 / 3.54±0.04 |
| Width (W) (mm / in) | 70.0±1.0 / 2.76±0.04 |
| Height (H) (mm / in) | 106.1±1.5 / 4.18±0.06 |
| 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

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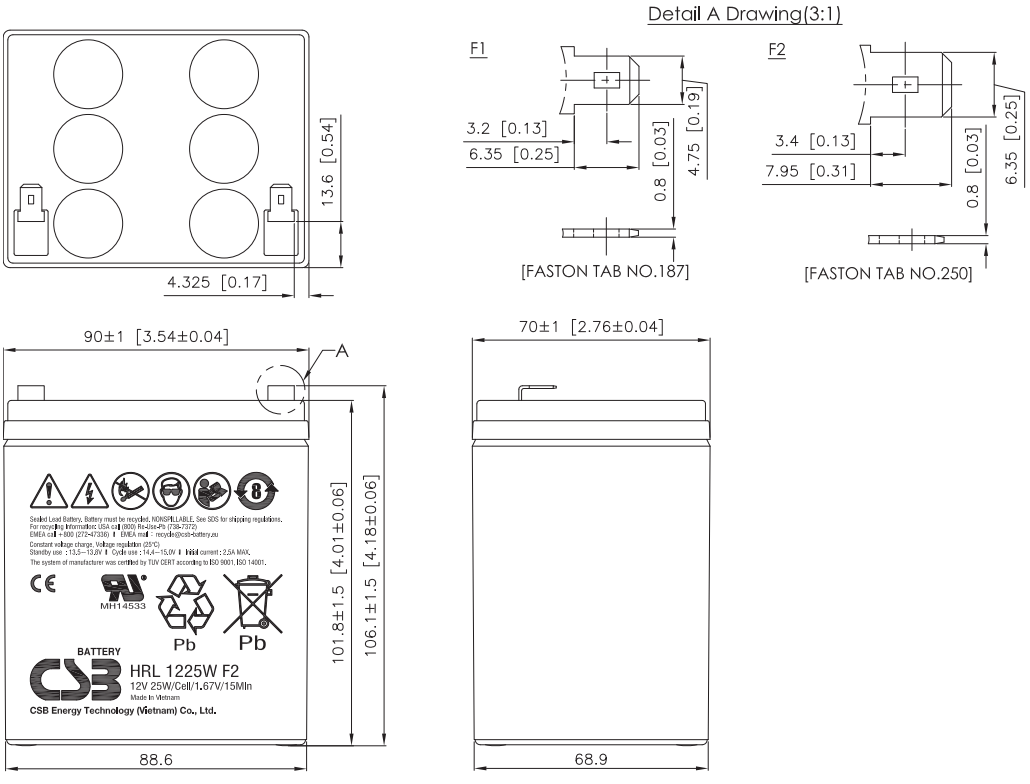
12V Top Terminal VRLA-AGM

| 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) | 51.9 | 36.0 | 31.7 | 26.9 | 21.7 | 18.8 | 13.7 | 10.9 | 7.85 | 5.63 | 4.45 | 3.19 |
| 10.50V (1.75 VPC) | 44.8 | 33.5 | 28.1 | 24.3 | 20.5 | 17.9 | 13.2 | 10.5 | 7.60 | 5.48 | 4.35 | 3.13 |
| 10.80V (1.80 VPC) | 39.1 | 29.2 | 24.9 | 22.5 | 19.3 | 16.7 | 12.5 | 10.0 | 7.32 | 5.30 | 4.21 | 3.05 |

| 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) | 539 | 369 | 325 | 292 | 242 | 208 | 154 | 123 | 89.2 | 64.1 | 50.7 | 36.4 |
| 10.50V (1.75 VPC) | 453 | 340 | 302 | 273 | 231 | 199 | 149 | 119 | 87.1 | 62.8 | 49.8 | 35.9 |
| 10.80V (1.80 VPC) | 403 | 312 | 280 | 254 | 218 | 188 | 143 | 115 | 84.3 | 61.0 | 48.5 | 35.1 |