



HR series
HR 1227W

12V 27W



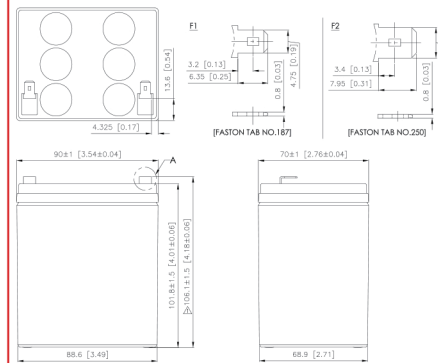
Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

Design for Standby Power Applications

| | |
|--|---|
| <p>【Design Life】 Up to 5 Years in Standby Service at 25°C Eurobat (20°C) : 3-5 years, Standard Commercial</p> <p>【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)</p> | <p>【Float Charging Voltage】 13.5 ~ 13.8 VDC/Unit at 25°C (77°F)</p> <p>【Equalization Charging Voltage】 14.4 ~ 15.0 VDC/Unit at 25°C (77°F)</p> <p>【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).</p> |
|--|---|

| Specification | Design according with IEC 61056-1/2:2012 | |
|---------------------------|---|---------------------------------|
| Nominal Voltage | 12V (6 cells per unit) | |
| Nominal Capacity | 27W @15min-rate to 1.67V per cell @25°C (77°F) | |
| Weight | Approx. 1.97 Kg (4.34 lbs) | |
| Maximum Discharge Current | 100/130A (5sec) | |
| Internal Resistance | Approx. 19.9 mΩ | |
| Short Circuit Current | 424A | |
| Maximum Charge Current | 2.7A | |
| Terminal types | F1/F2 -Faston Tab187/250 | |
| Terminal breaking Torque | -- | |
| Container Material | ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request | |
| Dimensions | Length (L) | 90.0±1.0 mm 3.54±0.04 inch |
| | Width (W) | 70.0±1.0 mm 2.76±0.04 inch |
| | Container Height (h) | 101.8±1.5 mm 4.01±0.06 inch |
| | Overall Height (H) | 106.1±1.5 mm 4.18±0.06 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 | 55.4 | 36.5 | 31.2 | 27.5 | 22.1 | 18.7 | 13.6 | 10.9 | 7.88 | 5.71 | 4.55 | 3.23 |
| 1.67V | 50.4 | 34.3 | 29.8 | 26.5 | 21.4 | 18.3 | 13.5 | 10.8 | 7.83 | 5.66 | 4.49 | 3.18 |
| 1.70V | 45.6 | 32.2 | 28.2 | 25.3 | 20.8 | 17.8 | 13.1 | 10.7 | 7.77 | 5.62 | 4.47 | 3.16 |
| 1.75V | 41.0 | 29.9 | 26.6 | 24.2 | 20.0 | 17.2 | 12.8 | 10.6 | 7.68 | 5.57 | 4.43 | 3.13 |
| 1.80V | 36.4 | 27.5 | 24.7 | 22.7 | 18.9 | 16.3 | 12.4 | 10.3 | 7.49 | 5.45 | 4.35 | 3.08 |
| 1.85V | 31.7 | 24.8 | 22.5 | 20.7 | 17.4 | 15.2 | 11.7 | 9.59 | 7.11 | 5.20 | 4.16 | 2.96 |

| 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 | 503 | 383 | 338 | 305 | 254 | 219 | 163 | 127 | 92.4 | 66.3 | 52.4 | 37.4 |
| 1.67V | 469 | 358 | 318 | 288 | 242 | 211 | 162 | 126 | 91.6 | 66.0 | 52.3 | 37.3 |
| 1.70V | 455 | 347 | 308 | 280 | 236 | 206 | 161 | 125 | 91.3 | 65.8 | 52.2 | 37.1 |
| 1.75V | 428 | 327 | 293 | 268 | 229 | 200 | 158 | 124 | 90.3 | 65.2 | 51.8 | 36.8 |
| 1.80V | 403 | 309 | 278 | 255 | 218 | 192 | 153 | 120 | 88.2 | 64.2 | 51.3 | 36.7 |
| 1.85V | 377 | 290 | 261 | 240 | 208 | 184 | 144 | 114 | 84.4 | 61.6 | 49.2 | 35.1 |

Guang dong Xi shibi Power Co ., Ltd.

Tel: +86 20 34628335

Fax: 626-453-0409

E-mail: csbusa@battery.com