



Valve Regulated Lead Acid Battery

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

General Design for Standby Power Applications at Extreme Temperatures

【Design Life】

Up to 12 Years in Standby Service at 25°C
Eurobat (20°C) : >12 years, Long Life

【Operating Temperature Range】

Nominal Operating Temperature: 25°C (77°F)
Discharge: -20°C ~ 50°C (-4°F ~ 122°F)
Charge: -20°C ~ 50°C (-4°F ~ 122°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】

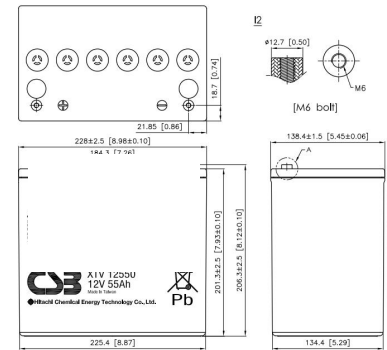
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

【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 | 55Ah@20HR-rate to 1.75V per cell @25°C (77°F) | | |
| Weight | Approx. 17.90 Kg (39.45 lbs) | | |
| Maximum Discharge Current | 300A (5sec) | | |
| Internal Resistance | Approx. 5.20 mΩ | | |
| Short Circuit Current | 1627A | | |
| Maximum Charge Current | 16.5A | | |
| Terminal types | I2 thread lead alloy terminal to accept M6 bolt | | |
| Terminal tightening torque | 51.7±10.3 Kgf·cm / 44.9±9.0 Lbf·in / 5.1±1.0 N·m | | |
| Container Material | PP (UL 94-HB) & Flame Retardant (94-V0) available upon request | | |
| Dimensions | Length (L) | 228.0±2.5mm | 8.98±0.10inch |
| | Width (W) | 138.4±1.5mm | 5.45±0.06inch |
| | Container Height (h) | 201.3±2.5mm | 7.93±0.10inch |
| | Overall Height (H) | 206.3±2.5mm | 8.12±0.10inch |



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

| F.V/Time | 5 MIN | 10MIN | 15MIN | 30MIN | 60MIN | 90MIN | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1.60V | 247 | 166 | 123 | 71.8 | 41.0 | 29.0 | 22.7 | 16.2 | 10.6 | 6.89 | 5.58 | 2.84 |
| 1.67V | 227 | 159 | 119 | 70.1 | 40.0 | 28.5 | 22.5 | 16.1 | 10.5 | 6.83 | 5.55 | 2.80 |
| 1.70V | 216 | 155 | 117 | 69.5 | 39.7 | 28.3 | 22.4 | 16.0 | 10.4 | 6.74 | 5.48 | 2.79 |
| 1.75V | 194 | 144 | 112 | 67.9 | 39.4 | 28.0 | 22.1 | 15.8 | 10.3 | 6.70 | 5.41 | 2.75 |
| 1.80V | 172 | 130 | 105 | 64.9 | 38.1 | 27.3 | 21.7 | 15.4 | 10.1 | 6.54 | 5.31 | 2.73 |
| 1.85V | 152 | 113 | 92.5 | 60.6 | 36.2 | 26.1 | 20.8 | 14.8 | 9.68 | 6.28 | 5.09 | 2.64 |

Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

| F.V/Time | 5 MIN | 10MIN | 15MIN | 30MIN | 60MIN | 90MIN | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|-------|-------|-----|-----|-----|------|------|------|
| 1.60V | 2402 | 1693 | 1310 | 786 | 460 | 332 | 264 | 188 | 123 | 80.9 | 66.0 | 34.6 |
| 1.67V | 2227 | 1642 | 1283 | 780 | 458 | 331 | 261 | 187 | 122 | 80.2 | 65.6 | 34.4 |
| 1.70V | 2150 | 1590 | 1268 | 770 | 454 | 330 | 260 | 186 | 121 | 79.7 | 65.1 | 34.2 |
| 1.75V | 2010 | 1519 | 1221 | 761 | 451 | 327 | 259 | 185 | 120 | 78.7 | 64.2 | 33.9 |
| 1.80V | 1879 | 1411 | 1147 | 734 | 443 | 321 | 255 | 182 | 118 | 77.7 | 63.4 | 33.4 |
| 1.85V | 1613 | 1279 | 1030 | 688 | 419 | 309 | 245 | 175 | 115 | 74.8 | 61.1 | 32.3 |

Please refer to the official site for the latest rating confirmation.

Guang dong Xi shi Power Co.,Ltd

Tel: (总机) 020-84854238 Fax: 020-84854238

E-mail: csbusa@battery.com