



EVX series EVX 12750



Valve Regulated Lead Acid Battery

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

General Design for Cyclic Applications

【Design Life】

400 cycles @ 100%DOD at 25°C
1800 cycles @ 30%DOD at 25°C

【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)

【Certification】

IEC 60254-1:2005 / IEC60254-2:2008

【Equalization Charging Voltage】

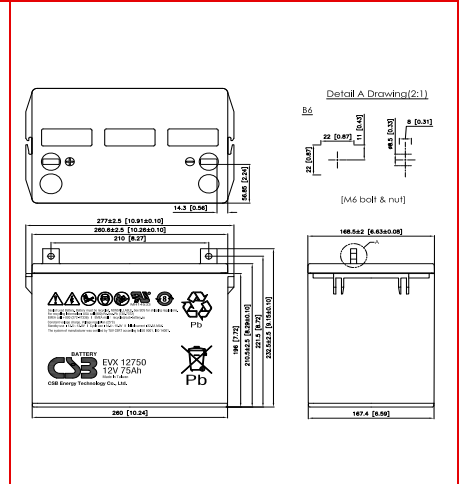
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

【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

| | | | |
|----------------------------|--|--------------|-----------------|
| Nominal Voltage | 12V (6 cells per unit) | | |
| Nominal Capacity | 75 AH @20HR-rate to 1.75V per cell@25°C (77°F) | | |
| Weight | Approx. 25.60 Kg (56.38 lbs) | | |
| Maximum Discharge Current | 500A (5sec) | | |
| Internal Resistance | Approx. 4.7 mΩ | | |
| Short Circuit Current | -- | | |
| Maximum Charge Current | 22.50A | | |
| Terminal types | B6 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) | | |
| Dimensions | Length (L) | 277.0±2.5 mm | 10.91±0.10 inch |
| | Width (W) | 168.5±2.0 mm | 6.63±0.08 inch |
| | Container Height (h) | 210.5±2.5 mm | 8.29±0.10 inch |
| | Overall Height (H) | 232.5±2.5 mm | 9.15±0.10 inch |



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

| F.V/Time | 30MIN | 45MIN | 60MIN | 90MIN | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.60V | 83.2 | 61.3 | 49.3 | 35.7 | 28.1 | 19.9 | 15.6 | 12.8 | 10.8 | 8.35 | 6.82 | 3.84 |
| 1.67V | 81.6 | 60.3 | 48.6 | 35.2 | 27.6 | 19.7 | 15.4 | 12.7 | 10.7 | 8.25 | 6.74 | 3.80 |
| 1.70V | 80.1 | 59.2 | 47.8 | 34.6 | 27.2 | 19.4 | 15.2 | 12.5 | 10.6 | 8.15 | 6.67 | 3.77 |
| 1.75V | 78.1 | 57.9 | 46.8 | 33.9 | 26.7 | 19.2 | 15.0 | 12.4 | 10.5 | 8.07 | 6.60 | 3.75 |
| 1.80V | 75.8 | 56.4 | 45.7 | 33.2 | 26.2 | 18.9 | 14.8 | 12.2 | 10.3 | 7.98 | 6.54 | 3.72 |
| 1.85V | 73.3 | 54.7 | 44.4 | 32.5 | 25.7 | 18.6 | 14.6 | 12.0 | 10.2 | 7.89 | 6.47 | 3.68 |

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

| F.V/Time | 30MIN | 45MIN | 60MIN | 90MIN | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|-----|-----|-----|-----|-----|------|------|------|
| 1.60V | 924 | 673 | 538 | 392 | 313 | 226 | 177 | 146 | 124 | 95.2 | 77.5 | 41.4 |
| 1.67V | 906 | 664 | 532 | 386 | 309 | 223 | 175 | 144 | 122 | 94.3 | 77.0 | 41.2 |
| 1.70V | 887 | 652 | 524 | 380 | 304 | 219 | 172 | 142 | 121 | 93.4 | 76.4 | 41.0 |
| 1.75V | 863 | 637 | 513 | 373 | 299 | 216 | 170 | 140 | 119 | 92.3 | 75.7 | 40.7 |
| 1.80V | 839 | 620 | 500 | 367 | 293 | 213 | 168 | 139 | 118 | 91.3 | 75.0 | 40.6 |
| 1.85V | 813 | 600 | 484 | 359 | 288 | 210 | 165 | 137 | 117 | 90.3 | 74.2 | 39.8 |

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.cn

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Recognized under UL 1989,
and certified by ISO 9001, 14001, 45001, 50001.



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