



EVX series

EVX 12120 12V 12AH



Valve Regulated Lead Acid Battery

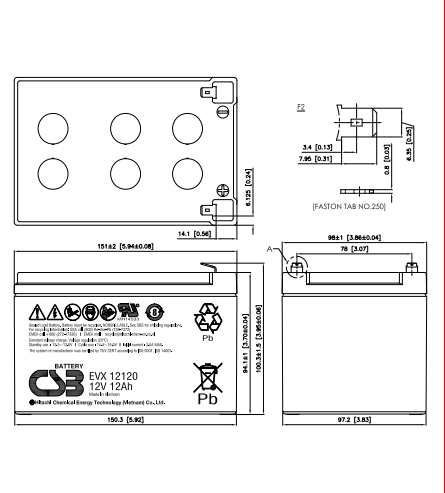
Maintenance-Free Sealed Lead Acid Battery.
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

Design for Cyclic Applications

| | |
|---|--|
| <p>【Design Life】 400 cycles @ 100%DOD at 25°C 1800 cycles @ 30%DOD at 25°C</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>【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> |
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Specification

| | | | |
|---------------------------|---|--------------|----------------|
| Nominal Voltage | 12V (6 cells per unit) | | |
| Nominal Capacity | 12 AH @20HR-rate to 1.75V per cell @25°C (77°F) | | |
| Weight | Approx. 3.83 Kg (8.44 lbs) | | |
| Maximum Discharge Current | 150/180A (5sec) | | |
| Internal Resistance | Approx. 15.4 mΩ | | |
| Short Circuit Current | -- | | |
| Maximum Charge Current | 3.60A | | |
| Terminal types | F1/F2-Faston Tab187/250 | | |
| Terminal Breaking Torque | -- | | |
| Container Material | ABS (UL 94-HB) | | |
| Dimensions | Length (L) | 151.0±2.0 mm | 5.94±0.08 inch |
| | Width (W) | 98.0±1.0 mm | 3.86±0.04 inch |
| | Container Height (h) | 94.1±1.0 mm | 3.70±0.04 inch |
| | Overall Height (H) | 100.3±1.5 mm | 3.95±0.06 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 | 12.8 | 9.38 | 7.52 | 5.46 | 4.32 | 3.14 | 2.45 | 2.06 | 1.75 | 1.36 | 1.13 | 0.66 |
| 1.67V | 12.7 | 9.30 | 7.45 | 5.45 | 4.29 | 3.10 | 2.44 | 2.05 | 1.74 | 1.35 | 1.12 | 0.63 |
| 1.70V | 12.6 | 9.23 | 7.40 | 5.41 | 4.28 | 3.09 | 2.43 | 2.04 | 1.73 | 1.34 | 1.11 | 0.62 |
| 1.75V | 12.4 | 9.14 | 7.36 | 5.36 | 4.25 | 3.07 | 2.41 | 2.01 | 1.71 | 1.33 | 1.09 | 0.60 |
| 1.80V | 12.0 | 8.89 | 7.18 | 5.28 | 4.17 | 3.00 | 2.38 | 1.99 | 1.70 | 1.32 | 1.07 | 0.59 |
| 1.85V | 11.3 | 8.46 | 6.89 | 5.08 | 3.99 | 2.90 | 2.30 | 1.92 | 1.64 | 1.27 | 1.04 | 0.57 |

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 | 146 | 107 | 86.1 | 63.4 | 50.5 | 36.8 | 29.3 | 24.4 | 20.8 | 16.2 | 13.4 | 7.13 |
| 1.67V | 146 | 107 | 85.7 | 62.9 | 50.1 | 36.6 | 29.1 | 24.3 | 20.7 | 16.1 | 13.3 | 7.09 |
| 1.70V | 144 | 106 | 85.2 | 62.7 | 50.0 | 36.4 | 28.9 | 24.2 | 20.6 | 16.0 | 13.2 | 7.06 |
| 1.75V | 143 | 105 | 84.9 | 62.3 | 49.5 | 36.2 | 28.8 | 23.9 | 20.4 | 15.9 | 13.1 | 7.01 |
| 1.80V | 140 | 103 | 83.5 | 61.2 | 49.0 | 35.7 | 28.5 | 23.7 | 20.2 | 15.7 | 12.9 | 6.87 |
| 1.85V | 132 | 98.5 | 80.0 | 59.4 | 47.4 | 34.5 | 27.7 | 23.0 | 19.6 | 15.2 | 12.5 | 6.66 |

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com Issued: 180205

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

