



Powered by **EVX series**

EVX 12650 12V 65AH

Valve Regulated Lead Acid Battery

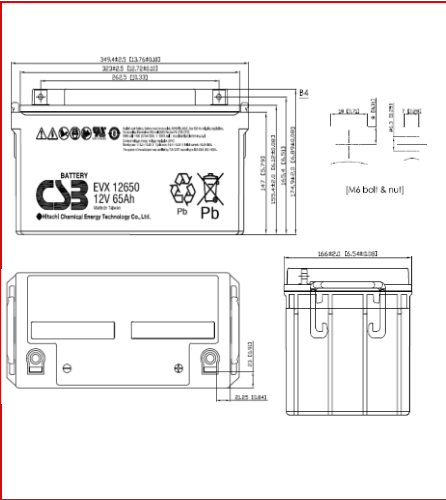
Maintenance-Free Sealed Lead Acid Battery.
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

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> |
|---|--|

Specification

| | | | |
|---------------------------|--|--------------|-----------------|
| Nominal Voltage | 12V (6 cells per unit) | | |
| Nominal Capacity | 65 AH @20HR-rate to 1.75V per PCS @25°C (77°F) | | |
| Weight | Approx. 22.20 Kg (48.89 lbs) | | |
| Maximum Discharge Current | 500A (5sec) | | |
| Internal Resistance | Approx. 4.6 mΩ | | |
| Short Circuit Current | -- | | |
| Maximum Charge Current | 19.50A | | |
| Terminal types | B4/I2 terminal to accept M6 bolt | | |
| Terminal hardware Torque | 138.6 Kgf-cm / 120.3 lbf-in / 13.58 N-m | | |
| Container Material | PP (UL 94-HB) & Flame Retardant (94-V0) available upon request | | |
| Dimensions | Length (L) | 349.4±2.5 mm | 13.76±0.10 inch |
| | Width (W) | 166.0±2.0 mm | 6.54±0.06 inch |
| | Container Height (h) | 174.9±2.0 mm | 6.89±0.08 inch |
| | Overall Height (H) | 174.9±2.0 mm | 6.89±0.08 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 | 70.5 | 51.5 | 41.2 | 30.0 | 23.9 | 17.0 | 13.4 | 11.1 | 9.57 | 7.57 | 6.31 | 3.38 |
| 1.67V | 69.9 | 51.2 | 41.1 | 29.8 | 23.7 | 16.9 | 13.3 | 11.0 | 9.50 | 7.54 | 6.28 | 3.35 |
| 1.70V | 69.4 | 50.9 | 40.8 | 29.6 | 23.6 | 16.8 | 13.2 | 10.9 | 9.43 | 7.50 | 6.24 | 3.34 |
| 1.75V | 68.3 | 50.2 | 40.4 | 29.4 | 23.4 | 16.7 | 13.1 | 10.8 | 9.34 | 7.42 | 6.16 | 3.31 |
| 1.80V | 65.7 | 48.7 | 39.4 | 28.8 | 23.0 | 16.4 | 12.9 | 10.7 | 9.22 | 7.28 | 6.04 | 3.23 |
| 1.85V | 61.3 | 45.9 | 37.4 | 27.5 | 22.0 | 15.7 | 12.4 | 10.2 | 8.81 | 6.99 | 5.78 | 3.11 |

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 | 806 | 598 | 484 | 353 | 279 | 199 | 158 | 132 | 114 | 90.0 | 74.7 | 40.3 |
| 1.67V | 804 | 595 | 481 | 351 | 277 | 198 | 157 | 130 | 113 | 89.6 | 74.3 | 40.2 |
| 1.70V | 795 | 590 | 477 | 350 | 276 | 197 | 156 | 129 | 112 | 89.2 | 74.2 | 40.0 |
| 1.75V | 784 | 585 | 475 | 347 | 275 | 196 | 155 | 128 | 111 | 88.2 | 73.2 | 39.7 |
| 1.80V | 759 | 571 | 467 | 342 | 270 | 193 | 151 | 127 | 110 | 86.9 | 72.0 | 38.9 |
| 1.85V | 714 | 542 | 446 | 329 | 259 | 186 | 147 | 122 | 105 | 83.2 | 68.9 | 37.8 |

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com Issued: 161101

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

