



EVH series

EVH 12150 12V 15AH

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

【Design Life】

- 450 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)

【Equalization Charging Voltage】

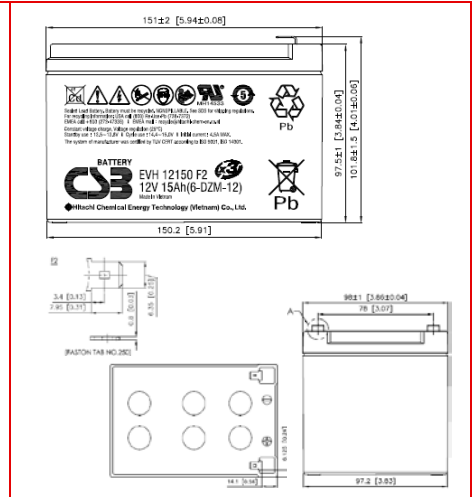
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

【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 | 15 Ah @20hr-rate to 1.75V per cell @25°C (77°F) | | |
| Weight | Approx. 4.60 Kg (10.14 lbs) | | |
| Maximum Discharge Current | 180 A (5sec) | | |
| Internal Resistance | Approx. 10.5 mΩ | | |
| Short Circuit Current | -- | | |
| Maximum Charge Current | 4.50 A | | |
| Terminal type | F2 terminal -Faston Tab 250 | | |
| Terminal hardware Torque | -- | | |
| Container Material | ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request | | |
| 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) | 97.5±1.0 mm | 3.84±0.04 inch |
| | Overall Height (H) | 101.8±1.5 mm | 4.01±0.06 inch |
| | | | |



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

| F.V/Time | 30MIN | 60MIN | 45MIN | 90MIN | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.60V | 20.0 | 11.2 | 14.4 | 7.85 | 6.18 | 4.33 | 3.35 | 2.74 | 2.17 | 1.79 | 1.43 | 0.79 |
| 1.67V | 19.9 | 11.0 | 14.1 | 7.79 | 6.11 | 4.25 | 3.31 | 2.73 | 2.16 | 1.78 | 1.42 | 0.78 |
| 1.70V | 19.8 | 10.9 | 13.9 | 7.73 | 6.03 | 4.23 | 3.30 | 2.72 | 2.15 | 1.77 | 1.41 | 0.77 |
| 1.75V | 19.5 | 10.8 | 13.8 | 7.66 | 6.00 | 4.17 | 3.27 | 2.71 | 2.14 | 1.76 | 1.39 | 0.76 |
| 1.80V | 19.0 | 10.7 | 13.8 | 7.50 | 5.83 | 4.08 | 3.19 | 2.64 | 2.10 | 1.74 | 1.38 | 0.75 |
| 1.85V | 18.2 | 10.4 | 13.3 | 7.38 | 5.72 | 3.94 | 3.09 | 2.56 | 2.03 | 1.68 | 1.33 | 0.72 |

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

| F.V/Time | 30MIN | 60MIN | 45MIN | 90MIN | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.60V | 221 | 129 | 165 | 91.4 | 71.0 | 49.6 | 38.9 | 31.9 | 25.3 | 21.0 | 17.1 | 8.98 |
| 1.67V | 220 | 128 | 163 | 90.8 | 70.5 | 49.2 | 38.6 | 31.7 | 25.2 | 20.9 | 17.0 | 8.96 |
| 1.70V | 218 | 127 | 162 | 89.9 | 70.0 | 49.0 | 38.4 | 31.5 | 25.1 | 20.8 | 16.9 | 8.92 |
| 1.75V | 215 | 125 | 159 | 88.7 | 69.4 | 48.8 | 38.1 | 31.1 | 24.9 | 20.7 | 16.8 | 8.82 |
| 1.80V | 211 | 123 | 157 | 87.3 | 68.6 | 47.9 | 37.5 | 30.7 | 24.6 | 20.5 | 16.7 | 8.74 |
| 1.85V | 206 | 121 | 155 | 85.3 | 66.6 | 46.7 | 36.3 | 29.6 | 23.8 | 19.9 | 16.4 | 8.52 |

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

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Sales Offices

日立化成能源科技股份有限公司
Hitachi Chemical Energy Technology Co., Ltd.

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



BUSINESS HEADQUARTERS

Tel: +886-2-2880-5600
Fax: +866-2-2888-3300

USA OFFICE

Tel: +1-817-244-7777 / 1-(800)3-CSB-USA (272872)
Fax: +1-817-244-4445

SHENZHEN OFFICE (CHINA)

Tel: +86-755-8831-6488, 8831-6775
Fax: +86-755-8831-6075

EUROPE (EMEA) OFFICE

Tel: +31(0)180-418-140
Fax: +31(0)180-418-327

SHANGHAI OFFICE (CHINA)

Tel: +86-21-5046-1622, 5046-0833
Fax: +86-21-5046-1046

TAIPEI OFFICE

Tel: +886-2-2880-5600
Fax: +866-2-2888-3300

BEIJING OFFICE (CHINA)

Tel: +86-10-5820-5336, 5820-5338
Fax: +86-10-5820-3053