



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 Standby Power Applications

【Design Life】

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

【Operating Temperature Range】

Nominal Operating Temperature : 25°C (77°F)
Discharge : -20°C ~ 50°C (-4°F~122°F)
Charge: 0°C ~ 40°C (32°F~104°F)
Storage: -20°C ~ 40°C (-4°F~104°F)

【Float Charging Voltage】

2.21 ~ 2.25 VDC/Unit at 25°C (77°F)

【Equalization Charging Voltage】

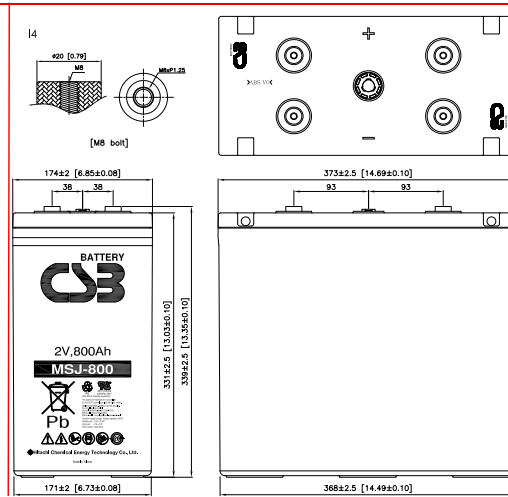
2.35 VDC/Unit at 25°C (77°F)

【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 | 2V (single cell per unit) | |
| Nominal Capacity | 800 Ah @10hr-rate to 1.80V per cell @25°C (77°F) | |
| Weight | Approx. 56.70 Kg (124.97 lbs) | |
| Maximum Discharge Current | 4800 A (5sec) | |
| Internal Resistance | Approx. 0.25 mΩ | |
| Short Circuit Current | -- | |
| Maximum Charge Current | 240 A | |
| Terminal type | I4 thread copper alloy terminal to accept M8 bolt | |
| Terminal tightening torque | 126±25 Kgf·cm / 109±22 Lbf·in / 12.3±2.5 N·m | |
| Container Material | Flame Retardant ABS (UL 94-V0) | |
| Dimensions | Depth (D) | 373.0±2.5 mm 14.69±0.10 inch |
| | Width (W) | 174.0±2.0 mm 6.85±0.08 inch |
| | Container height (h) | 331.0±2.5 mm 13.03±0.10 inch |
| | Overall Height (H) | 339.0±2.5 mm 13.15±0.10 inch |
| | | |



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

| F.V/Time | 15MIN | 30MIN | 60MIN | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR | 20HR | 24HR |
|----------|-------|-------|-------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1.60V | 1422 | 1078 | 625 | 357 | 256 | 197 | 161 | 136 | 108 | 91.3 | 45.6 | 38.0 |
| 1.67V | 1274 | 1024 | 609 | 353 | 253 | 195 | 159 | 135 | 108 | 90.6 | 45.3 | 37.8 |
| 1.70V | 1198 | 990 | 597 | 350 | 251 | 194 | 158 | 134 | 107 | 90.3 | 45.2 | 37.6 |
| 1.75V | 1077 | 901 | 568 | 342 | 247 | 190 | 156 | 132 | 106 | 89.1 | 44.5 | 37.1 |
| 1.80V | 922 | 798 | 524 | 327 | 238 | 184 | 151 | 129 | 103 | 87.0 | 43.5 | 36.3 |
| 1.83V | 814 | 732 | 491 | 313 | 229 | 177 | 146 | 125 | 101 | 85.0 | 42.5 | 35.4 |

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

| F.V/Time | 15MIN | 30MIN | 60MIN | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR | 20HR | 24HR |
|----------|-------|-------|-------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1.60V | 2366 | 1857 | 1137 | 682 | 488 | 384 | 319 | 273 | 213 | 170 | 85.0 | 70.8 |
| 1.67V | 2199 | 1786 | 1115 | 675 | 484 | 382 | 317 | 271 | 212 | 169 | 84.4 | 70.4 |
| 1.70V | 2112 | 1740 | 1098 | 671 | 481 | 380 | 316 | 270 | 211 | 168 | 84.1 | 70.1 |
| 1.75V | 1930 | 1626 | 1054 | 657 | 473 | 375 | 312 | 267 | 208 | 166 | 83.0 | 69.1 |
| 1.80V | 1731 | 1468 | 983 | 631 | 458 | 365 | 304 | 261 | 202 | 162 | 80.8 | 67.3 |
| 1.83V | 1560 | 1369 | 927 | 606 | 443 | 355 | 296 | 255 | 197 | 157 | 78.7 | 65.6 |

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

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Sales Offices

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



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