



### 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)

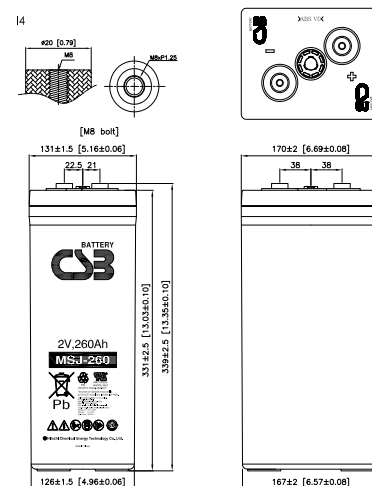
#### 【Self Discharge】

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          | 260 Ah @10hr-rate to 1.80V per cell @25°C (77°F)  |              |                 |
| Weight                    | Approx. 18.70 Kg (41.21 lbs)                      |              |                 |
| Maximum Discharge Current | 1560 A (5sec)                                     |              |                 |
| Internal Resistance       | Approx. 0.36 mΩ                                   |              |                 |
| Short Circuit Current     | 4872A   |              |                 |
| Maximum Charge Current    | 78 A  |              |                 |
| Terminal type             | I4 thread copper alloy terminal to accept M8 bolt |              |                 |
| Terminal breaking Torque  | 414 Kgf·cm / 359 Lbf·in / 40.57 N·m               |              |                 |
| Container Material        | Flame Retardant ABS (UL 94-V0)                    |              |                 |
| Dimensions                | Depth (D)   | 170.0±2.0 mm | 6.69±0.08 inch  |
|                           | Width (W)   | 131.0±1.5 mm | 5.16±0.06 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    | 463   | 310   | 190   | 109  | 78.0 | 60.3 | 49.2 | 41.6 | 32.5 | 26.9 | 13.5 | 11.2 |
| 1.67V    | 415   | 295   | 185   | 107  | 77.2 | 59.7 | 48.7 | 41.2 | 32.3 | 26.7 | 13.4 | 11.1 |
| 1.70V    | 390   | 285   | 182   | 107  | 76.6 | 59.2 | 48.4 | 41.0 | 32.1 | 26.6 | 13.3 | 11.0 |
| 1.75V    | 351   | 259   | 173   | 104  | 75.3 | 58.2 | 47.6 | 40.4 | 31.7 | 26.2 | 13.1 | 10.9 |
| 1.80V    | 300   | 230   | 159   | 99.6 | 72.6 | 56.2 | 46.1 | 39.2 | 30.8 | 26.0 | 13.0 | 10.8 |
| 1.83V    | 265   | 211   | 149   | 95.3 | 69.8 | 54.2 | 44.6 | 38.1 | 30.0 | 24.9 | 12.4 | 10.4 |

#### 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    | 811   | 563   | 345   | 208 | 149 | 117 | 97.6 | 83.6 | 64.0 | 50.1 | 25.1 | 20.9 |
| 1.67V    | 754   | 541   | 339   | 206 | 148 | 117 | 97.0 | 83.1 | 63.6 | 49.8 | 24.9 | 20.7 |
| 1.70V    | 724   | 527   | 334   | 204 | 147 | 116 | 96.5 | 82.8 | 63.3 | 49.5 | 24.8 | 20.6 |
| 1.75V    | 662   | 493   | 320   | 200 | 144 | 115 | 95.3 | 81.8 | 62.3 | 48.9 | 24.4 | 20.4 |
| 1.80V    | 594   | 445   | 299   | 192 | 140 | 112 | 92.9 | 79.8 | 60.5 | 47.5 | 23.7 | 19.8 |
| 1.83V    | 535   | 415   | 282   | 184 | 135 | 108 | 90.4 | 77.7 | 58.6 | 46.0 | 23.0 | 19.2 |

Please refer to the official site for the latest rating confirmation. URL: [www.csb-battery.com](http://www.csb-battery.com)

Issued: 180205

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

