



## Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.

Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

### General Design for Standby Power Applications

#### 【Design Life】

Up to 10 Years in Standby Service at 25°C  
Eurobat (20°C) : > 12 YEARS VERY LONG LIFE

#### 【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)

#### 【Float Charging Voltage】

13.5 ~ 13.8 VDC/Unit at 25°C (77°F)

#### 【Equalization Charging Voltage】

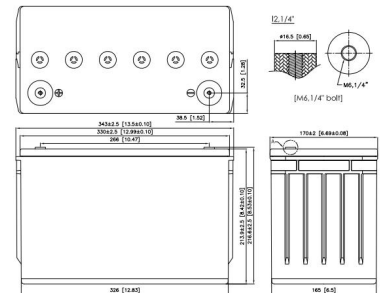
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

#### 【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           | 475W@15min-rate to 1.67V per cell @25°C (77°F)                 |                            |
| Weight                     | Approx. 36.20 Kg (79.78 lbs)                                   |                            |
| Maximum Discharge Current  | 800A (5sec)  |                            |
| Internal Resistance        | Approx. 2.30 mΩ  |                            |
| Short Circuit Current      | 3449A  |                            |
| Maximum Charge Current     | 47.5A  |                            |
| Terminal types             | I2 (1/4") thread lead alloy terminal to accept M6 (1/4") bolt  |                            |
| Terminal tightening torque | 51.7±10.3 Kgf·cm / 44.9±9.0 Lbf·in / 5.1±1.0 N·m               |                            |
| Container Material         | PP (UL 94-HB) & Flame Retardant (94-V0) available upon request |                            |
| Dimensions                 | Length (L)   | 343.0±2.5mm 13.50±0.10inch |
|                            | Width (W)  | 170.0±2.0mm 6.69±0.08inch  |
|                            | Container Height (h)   | 213.9±2.5mm 8.42±0.10inch  |
|                            | Overall Height (H)   | 216.9±2.5mm 8.54±0.10inch  |



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

| F.V/Time | 2MIN | 4MIN | 5MIN | 6MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 60MIN | 90MI |
|----------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|
| 1.60V    | 768  | 601  | 559  | 501  | 422  | 365   | 270   | 215   | 156   | 110   | 85.7  | 60.4 |
| 1.67V    | 683  | 552  | 504  | 461  | 399  | 347   | 261   | 210   | 154   | 109   | 84.8  | 59.9 |
| 1.70V    | 647  | 519  | 479  | 441  | 387  | 336   | 256   | 206   | 152   | 108   | 84.2  | 59.6 |
| 1.75V    | 587  | 464  | 437  | 409  | 357  | 314   | 243   | 197   | 148   | 105   | 82.6  | 58.9 |
| 1.80V    | 500  | 411  | 397  | 370  | 322  | 288   | 225   | 185   | 140   | 101   | 79.7  | 57.2 |
| 1.85V    | 403  | 364  | 341  | 319  | 283  | 252   | 203   | 168   | 129   | 93.5  | 74.4  | 53.9 |

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

| F.V/Time | 2MIN | 4MIN | 5MIN | 6MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 60MIN | 90MI |
|----------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|
| 1.60V    | 7700 | 6127 | 5630 | 5143 | 4414 | 3859  | 2940  | 2368  | 1746  | 1250  | 985   | 705  |
| 1.67V    | 7081 | 5758 | 5281 | 4846 | 4232 | 3700  | 2869  | 2323  | 1725  | 1238  | 978   | 701  |
| 1.70V    | 6811 | 5582 | 5081 | 4690 | 4122 | 3604  | 2824  | 2294  | 1711  | 1230  | 973   | 699  |
| 1.75V    | 6181 | 5133 | 4715 | 4399 | 3849 | 3403  | 2707  | 2216  | 1671  | 1208  | 959   | 693  |
| 1.80V    | 5589 | 4619 | 4317 | 4041 | 3513 | 3150  | 2524  | 2092  | 1605  | 1168  | 932   | 678  |
| 1.85V    | 4632 | 4129 | 3776 | 3509 | 3127 | 2859  | 2276  | 1916  | 1503  | 1099  | 880   | 644  |

Please refer to the official site for the latest rating confirmation.

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