

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 20 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】

2.21 ~ 2.25 VDC/Unit at 25°C (77°F)

【Equalization Charging Voltage】

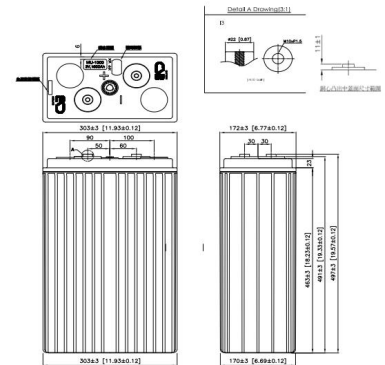
2.35 VDC/Unit at 25°C (77°F)

【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 cells per unit) | | |
| Nominal Capacity | 1000Ah@10HR-rate to 1.80V per cell @25°C (77°F) | | |
| Weight | Approx. 54.50 Kg (120.12 lbs) | | |
| Maximum Discharge Current | 3000A (5sec) | | |
| Internal Resistance | Approx. 0.29 mΩ | | |
| Short Circuit Current | -- | | |
| Maximum Charge Current | 300A | | |
| Terminal types | I3 thread copper alloy terminal to accept M10 bolt | | |
| Terminal tightening torque | 249±50 Kgf-cm / 216±43 Lbf-in / 24.4±4.9 N-m | | |
| Container Material | Flame Retardant Polypropylene (UL 94-VO) | | |
| Dimensions | Length (L) | 303.0±3.0mm | 11.93±0.12inch |
| | Width (W) | 172.0±3.0mm | 6.77±0.12inch |
| | Container Height (h) | 497.0±3.0mm | 19.57±0.12inch |



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

| F.V/Time | 30MIN | 60MIN | 90MIN | 2HR | 2.5HR | 3HR | 5HR | 6HR | 8HR | 10HR | 20HR | 24HR |
|----------|-------|-------|-------|-----|-------|-----|-----|-----|-----|------|------|------|
| 1.60V | -- | 566 | 427 | 348 | 290 | 250 | 170 | 148 | 116 | 104 | 55.5 | 46.3 |
| 1.67V | -- | 535 | 410 | 339 | 285 | 248 | 169 | 147 | 115 | 103 | 55.1 | 45.9 |
| 1.70V | -- | 513 | 398 | 332 | 282 | 247 | 168 | 146 | 114 | 102 | 54.8 | 45.7 |
| 1.75V | -- | 457 | 371 | 316 | 272 | 241 | 166 | 145 | 113 | 101 | 54.0 | 45.0 |
| 1.80V | -- | 398 | 339 | 293 | 257 | 231 | 160 | 140 | 111 | 100 | 52.6 | 43.8 |
| 1.83V | -- | 357 | 316 | 275 | 244 | 221 | 154 | 134 | 107 | 97.3 | 51.2 | 42.6 |

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

| F.V/Time | 30MIN | 60MIN | 90MIN | 2HR | 2.5HR | 3HR | 5HR | 6HR | 8HR | 10HR | 20HR | 24HR |
|----------|-------|-------|-------|-----|-------|-----|-----|-----|-----|------|------|------|
| 1.60V | -- | 1013 | 768 | 628 | 535 | 469 | 320 | 278 | 223 | 202 | 109 | 90.7 |
| 1.67V | -- | 964 | 736 | 610 | 525 | 465 | 318 | 276 | 222 | 201 | 108 | 90.4 |
| 1.70V | -- | 928 | 714 | 597 | 519 | 463 | 317 | 275 | 221 | 200 | 107 | 89.2 |
| 1.75V | -- | 831 | 664 | 567 | 501 | 453 | 312 | 272 | 218 | 199 | 106 | 88.3 |
| 1.80V | -- | 726 | 601 | 526 | 473 | 434 | 299 | 262 | 213 | 196 | 105 | 87.5 |
| 1.83V | -- | 651 | 555 | 495 | 449 | 414 | 287 | 253 | 207 | 192 | 104 | 86.5 |

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

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