

Advantages

- Long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling

Application

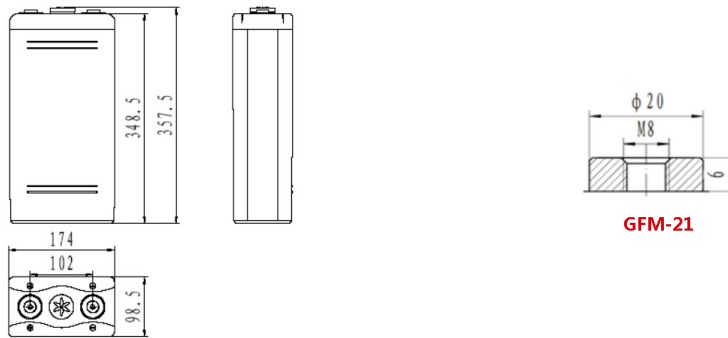
- Telecommunication
- Power system
- UPS
- Emergency power

Standards

- IEC 60896-21/22:2004
- JIS C8704-1/2:2006
- Eurobat guide
- installation compliant with EN50272-2



Drawing



Specification

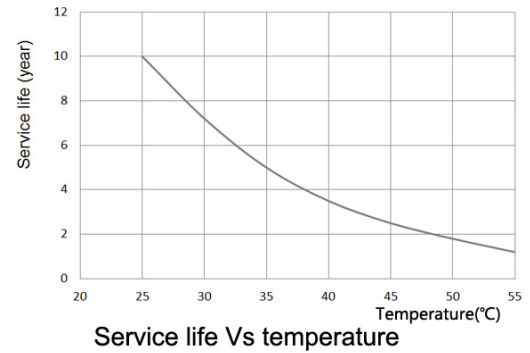
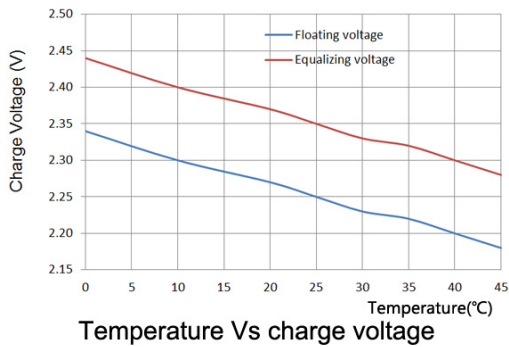
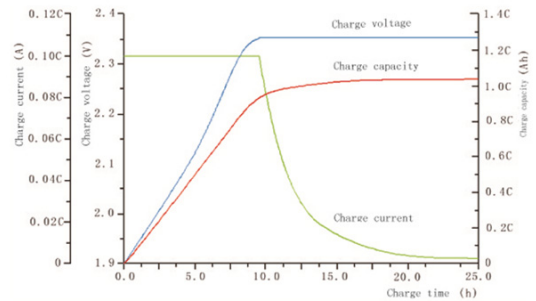
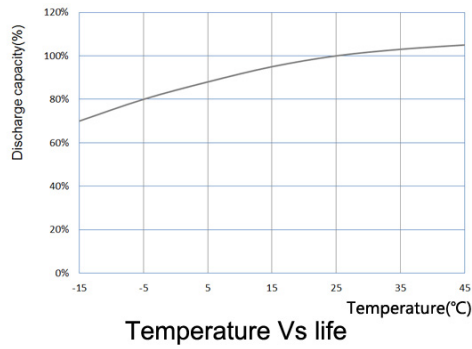
| Battery Model | GFM-200C | | | |
|----------------------------------|--|----------------|-----------------|------------------|
| Designed Life(Years) | 15 | | | |
| Capacity(Ah/25°C) | 10HR(20A,1.80V) | 5HR(34A,1.80V) | 3HR(50A,1.80V) | 1HR(110A,1.75V) |
| | 200 | 170 | 150 | 110 |
| Dimensions | Length(mm) | Width(mm) | Height(mm) | Total Height(mm) |
| | 174 | 98.5 | 348.5 | 357.5 |
| Approx.Weight(Kg) | 13.5 | | | |
| Internal Resistance(m Ω) | 0.5 | | | |
| Max. Discharge Current(A/5Sec.) | 1000 | | | |
| Self Discharge(25°C) | <=1% per month | | | |
| Charge Voltage(V/25°C) | Cycle use | | Float use | |
| | 2.35(-3.5mV/°C),max charge current:30A | | 2.25(-3.5mV/°C) | |

Discharge Data

| Constant current discharge data(25°C,A) | | | | | | | | | | | | | | | |
|---|------|-------|-------|-------|-------|-------|-------|-----|------|------|------|------|------|------|------|
| Endvoltage (V/cell) | 5min | 10min | 15min | 20min | 30min | 40min | 50min | 1h | 1.5h | 2h | 3h | 5h | 8h | 10h | 24h |
| 1.60 | 420 | 324 | 268 | 231 | 183 | 154 | 133 | 116 | 89 | 72.2 | 53.3 | 35.7 | 24.7 | 20.6 | 8.82 |
| 1.65 | 382 | 297 | 248 | 215 | 173 | 146 | 128 | 114 | 86.9 | 71 | 52.5 | 35.2 | 24.4 | 20.4 | 8.76 |
| 1.67 | 369 | 285 | 239 | 208 | 168 | 143 | 125 | 112 | 85.7 | 70.4 | 52.1 | 35.1 | 24.3 | 20.4 | 8.74 |
| 1.70 | 349 | 273 | 230 | 201 | 163 | 139 | 122 | 111 | 84.6 | 69.7 | 51.8 | 34.9 | 24.2 | 20.3 | 8.71 |
| 1.75 | 305 | 251 | 216 | 191 | 158 | 135 | 120 | 110 | 83.3 | 68.5 | 50.9 | 34.4 | 24 | 20.1 | 8.65 |
| 1.80 | 268 | 232 | 204 | 182 | 152 | 131 | 116 | 105 | 81 | 66.9 | 50 | 34 | 23.7 | 20 | 8.59 |

| Constant power discharge data(25°C,W/Cell) | | | | | | | | | | | | | | | |
|--|------|-------|-------|-------|-------|-------|-------|-----|------|-----|------|------|------|------|------|
| Endvoltage (V/cell) | 5min | 10min | 15min | 20min | 30min | 40min | 50min | 1h | 1.5h | 2h | 3h | 5h | 8h | 10h | 24h |
| 1.60 | 612 | 526 | 444 | 393 | 309 | 259 | 229 | 204 | 159 | 131 | 97.4 | 66 | 47.5 | 39.6 | 17.7 |
| 1.65 | 562 | 478 | 406 | 362 | 287 | 244 | 218 | 197 | 153 | 127 | 94.8 | 64.8 | 46.9 | 38.9 | 17.5 |
| 1.67 | 529 | 458 | 392 | 350 | 277 | 238 | 212 | 194 | 151 | 125 | 93.8 | 64.4 | 46.6 | 38.8 | 17.3 |
| 1.70 | 496 | 438 | 378 | 339 | 268 | 231 | 206 | 191 | 149 | 123 | 92.8 | 63.9 | 46.3 | 38.6 | 17.2 |
| 1.75 | 445 | 405 | 352 | 315 | 251 | 217 | 197 | 182 | 145 | 120 | 90.9 | 62.8 | 45.7 | 38.1 | 17 |
| 1.80 | 409 | 371 | 323 | 290 | 235 | 205 | 190 | 174 | 140 | 117 | 89.1 | 61.7 | 45.1 | 37.7 | 16.7 |

Performance Curve



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