

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

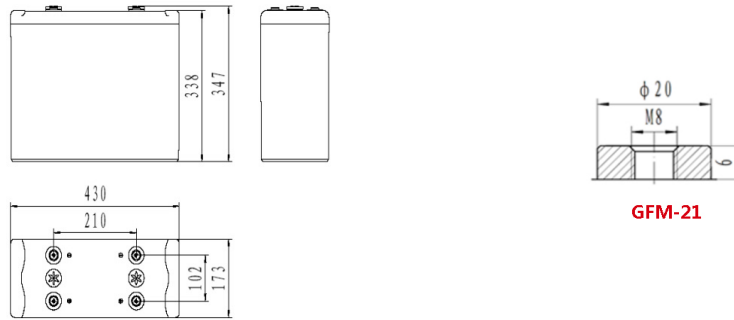
- Telecommunication
- Power system
- UPS
- Emergency power

Standards

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



Drawing



Specification

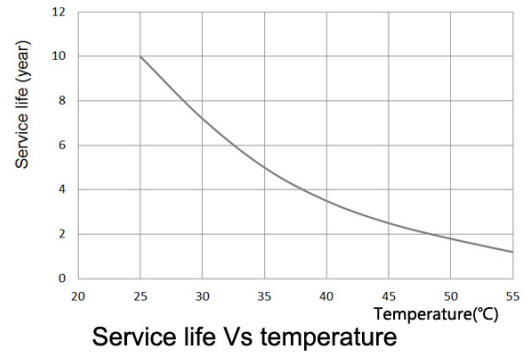
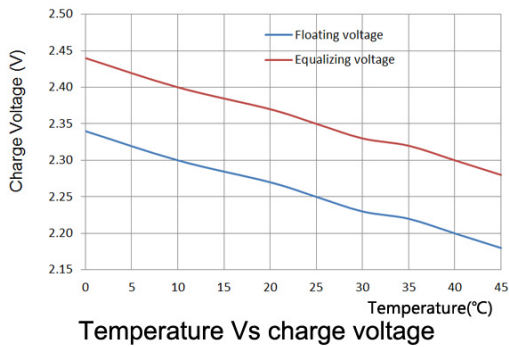
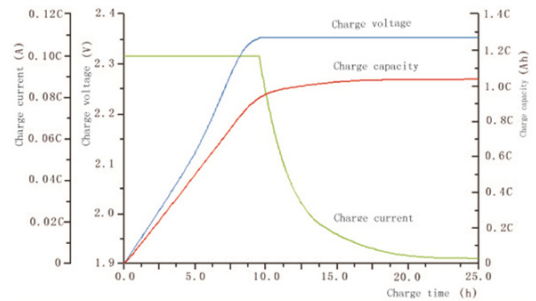
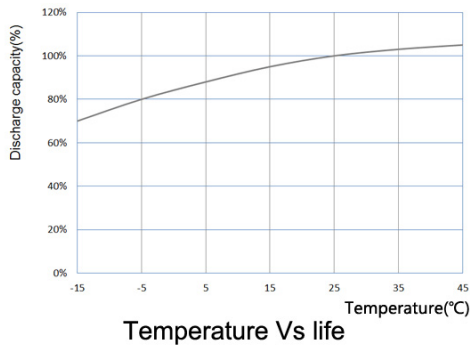
| Battery Model | GFM-1000C | | | |
|---------------------------------|---|------------------|------------------|------------------|
| Designed Life(Years) | 15 | | | |
| Capacity(Ah/25°C) | 10HR(100A, 1.80V) | 5HR(170A, 1.80V) | 3HR(250A, 1.80V) | 1HR(550A, 1.75V) |
| | 1000 | 850 | 750 | 550 |
| Dimensions | Length(mm) | Width(mm) | Height(mm) | Total Height(mm) |
| | 430 | 173 | 338 | 347 |
| Approx.Weight(Kg) | 59.5 | | | |
| Internal Resistance(mΩ) | 0.17 | | | |
| Max. Discharge Current(A/5Sec.) | 5000 | | | |
| Self Discharge(25°C) | <=1% per month | | | |
| Charge Voltage(V/25°C) | Cycle use | | Float use | |
| | 2.35(-3.5mV/°C),max charge current:150A | | 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 | 2100 | 1622 | 1342 | 1156 | 917 | 769 | 666 | 580 | 445 | 361 | 266 | 178 | 123 | 103 | 44.1 |
| 1.65 | 1909 | 1486 | 1241 | 1077 | 865 | 732 | 639 | 570 | 434 | 355 | 263 | 176 | 122 | 102 | 43.8 |
| 1.67 | 1845 | 1425 | 1194 | 1040 | 840 | 714 | 625 | 562 | 429 | 352 | 261 | 175 | 122 | 102 | 43.7 |
| 1.70 | 1743 | 1363 | 1148 | 1003 | 816 | 696 | 611 | 553 | 423 | 349 | 259 | 174 | 121 | 101 | 43.5 |
| 1.75 | 1525 | 1256 | 1081 | 956 | 788 | 677 | 598 | 550 | 416 | 342 | 255 | 172 | 120 | 101 | 43.3 |
| 1.80 | 1339 | 1162 | 1020 | 912 | 759 | 655 | 579 | 524 | 405 | 334 | 250 | 170 | 119 | 100 | 43 |

| 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 | 3060 | 2630 | 2218 | 1963 | 1545 | 1295 | 1146 | 1020 | 794 | 656 | 487 | 330 | 237 | 198 | 88.5 |
| 1.65 | 2811 | 2388 | 2032 | 1811 | 1435 | 1220 | 1089 | 985 | 764 | 634 | 474 | 324 | 234 | 195 | 87.4 |
| 1.67 | 2646 | 2288 | 1961 | 1752 | 1387 | 1188 | 1060 | 971 | 754 | 625 | 469 | 322 | 233 | 194 | 86.7 |
| 1.70 | 2481 | 2188 | 1890 | 1693 | 1339 | 1157 | 1030 | 957 | 744 | 616 | 464 | 320 | 232 | 193 | 86.1 |
| 1.75 | 2223 | 2023 | 1762 | 1574 | 1256 | 1087 | 984 | 912 | 723 | 601 | 455 | 314 | 229 | 190 | 84.8 |
| 1.80 | 2043 | 1856 | 1614 | 1450 | 1177 | 1027 | 948 | 871 | 701 | 585 | 445 | 308 | 226 | 188 | 83.4 |

Performance Curve



Sacred Sun Power Source Co.,Ltd.

No.1 Shengyang Road, Qufu City, PRC
 Website: www.sacredsunsun.com

Sacred Sun Asia Pacific

10Q,10thFloor, Xinbaohui Building, Nanhai Boulevard,
 Nanshan, Shenzhen, PRC.

Sacred Sun Europe SPRL

Paul Dejaerlaan 4b, B 1060 Brussel, Belgium

