

Product Features

- Patent rectangular gridding grid design which provide long floating life;
- Patent positive plate 4BS technology and patent negative plate diachylon formula, high temperature and high humidity curing process, battery has good cycle performance;
- Patent multi-layer polarity sealing structure, safety and reliable leakage-proof performance
- Patent labyrinth type, double-layer and explosion-proof acid filter valve, high efficiency of oxygen compound

Application

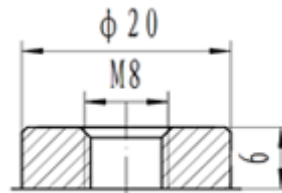
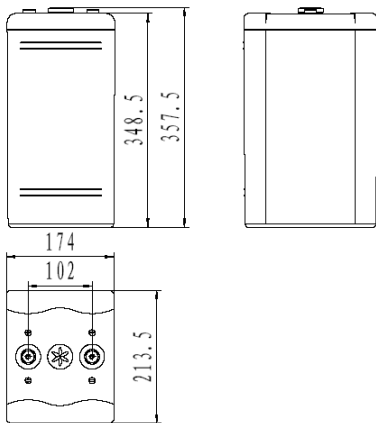
- Telecom
- Wireless and fixed communication application field;
- General electronic;
- Universal;
- EPS/UPS

Compliant Standards

- GB/T 19638.2-2005
- YD/T 799-2010
- DL/T 637-1997
- IEC 60896-21/22: 2004
- JIS C8704-1: 2006
- JIS C8704-2: 2006
- Passed ISO9001、ISO14001、OHSAS18001、UL、CE and TLC certificate
- Eurobat guide;

Safety

- installation compliant with:EN50272-2

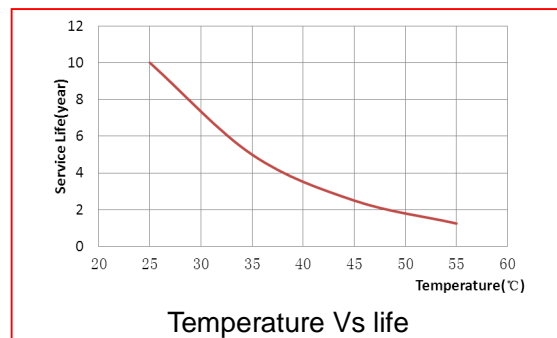
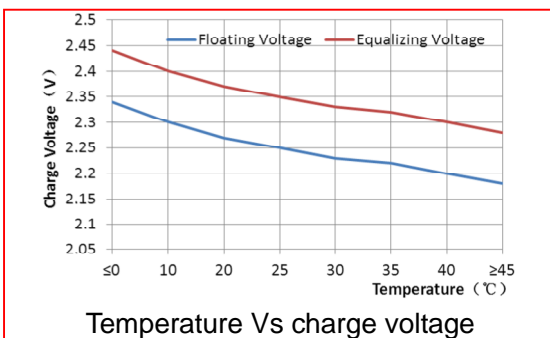
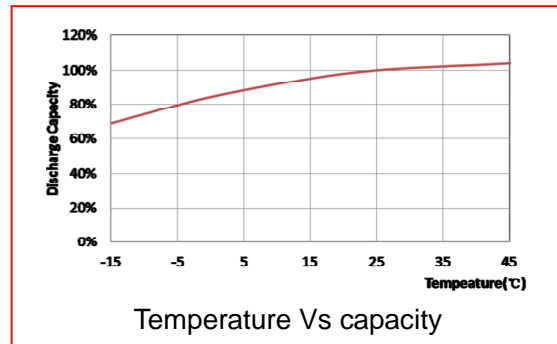
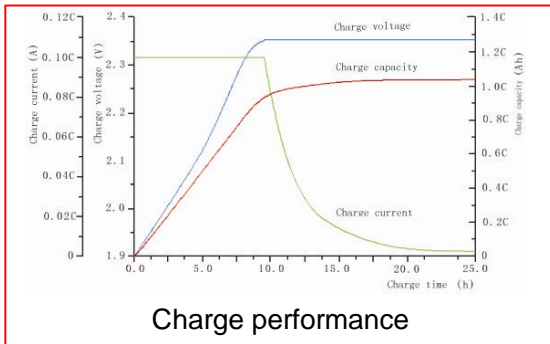

GFM-21

| | | | | |
|---------------------------|---|----------------|------------------|-----------------|
| Battery Model | GFM-500C | | | |
| Designed Life | 15Years | | | |
| Capacity(25°C) | 10HR(50A,1.80V) | 5HR(85A,1.80V) | 3HR(125A,1.80V) | 1HR(275A,1.75V) |
| | 500AH | 425AH | 375AH | 275AH |
| Dimensions | Length | Width | Height | Total Height |
| | 213.5mm | 174mm | 348.5mm | 357.5mm |
| Approx. Weight | 30.0kg | | | |
| Internal Resistance | 0.34mΩ for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER | | | |
| Maximum Discharge Current | 2500A(5 Sec.) | | | |
| Self Discharge | ≤1% per months (25°C) | | | |
| Charge Voltage(25°C) | Cycle use | | Float use | |
| | 2.35V(-3.5mV/°C), max charge current:75A | | 2.25V(-3.5mV/°C) | |

Discharge parameter:

| Constant current discharge data (25°C, A) | | | | | | | | | | | | | | | | | | | |
|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| End voltage (V/cell) | min | | | | | | | h | | | | | | | | | | | |
| | 5 | 10 | 15 | 20 | 30 | 40 | 50 | 1 | 1.5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 24 |
| 1.60 | 1050 | 811 | 671 | 578 | 459 | 384 | 333 | 290 | 222 | 181 | 133 | 106 | 89.2 | 77.6 | 68.6 | 61.7 | 56.0 | 51.5 | 22.0 |
| 1.65 | 955 | 743 | 620 | 538 | 433 | 366 | 319 | 285 | 217 | 178 | 131 | 105 | 88.1 | 76.8 | 68.1 | 61.1 | 55.4 | 51.1 | 21.9 |
| 1.70 | 872 | 682 | 574 | 502 | 408 | 348 | 306 | 277 | 212 | 174 | 129 | 103 | 87.1 | 76.1 | 67.5 | 60.5 | 54.8 | 50.7 | 21.8 |
| 1.75 | 762 | 628 | 540 | 478 | 394 | 339 | 299 | 275 | 208 | 171 | 127 | 102 | 86.0 | 75.1 | 66.9 | 59.9 | 54.3 | 50.3 | 21.6 |
| 1.80 | 669 | 581 | 510 | 456 | 379 | 327 | 290 | 262 | 202 | 167 | 125 | 101 | 85.0 | 74.1 | 66.0 | 59.3 | 53.8 | 50.0 | 21.5 |

| Constant power discharge data (25°C, W/cell) | | | | | | | | | | | | | | | | | | | |
|--|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| End voltage (V/cell) | min | | | | | | | h | | | | | | | | | | | |
| | 5 | 10 | 15 | 20 | 30 | 40 | 50 | 1 | 1.5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 24 |
| 1.60 | 1530 | 1315 | 1109 | 982 | 772 | 648 | 573 | 510 | 397 | 328 | 244 | 194 | 165 | 145 | 131 | 119 | 108 | 99.1 | 44.2 |
| 1.65 | 1406 | 1194 | 1016 | 905 | 718 | 610 | 545 | 493 | 382 | 317 | 237 | 190 | 162 | 142 | 129 | 117 | 107 | 97.4 | 43.7 |
| 1.70 | 1241 | 1094 | 945 | 847 | 670 | 578 | 515 | 478 | 372 | 308 | 232 | 187 | 160 | 140 | 127 | 116 | 106 | 96.5 | 43.0 |
| 1.75 | 1112 | 1012 | 881 | 787 | 628 | 543 | 492 | 456 | 362 | 300 | 227 | 183 | 157 | 139 | 126 | 114 | 104 | 95.2 | 42.4 |
| 1.80 | 1022 | 928 | 807 | 725 | 589 | 513 | 474 | 435 | 351 | 292 | 223 | 180 | 154 | 136 | 124 | 113 | 103 | 94.2 | 41.7 |

Performance Curve:


Address: NO.1 Shenyang Road, Qufu, Shandong 273100 China

Tel: +86-537-4438666-6028

Fax: +86-537-4411936

E-mail: sales@sacredsun.cn

<http://www.sacredsun.com>