

GFM-H Series

GFM-1500H 2V1500Ah



GFM-H series batteries use AGM technology with single large capacity and thick plate structure design. It has longer floating life and high floating consistency. Its modular and horizontal structure design ensures convenient installation and maintenance, saving space effectively. It is suitable for applications with high floating consistency requirements and data center.

Benefits

- Very long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Horizontal installation method effectively prevent electrolyte stratification

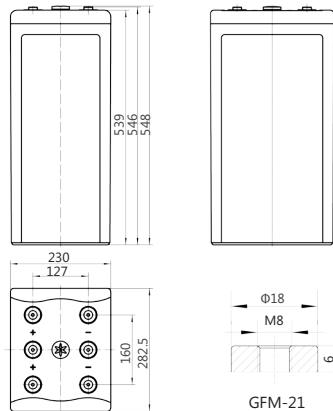
Applications

- Telecommunications
- Power system
- UPS
- Electrical Power plants and substation
- Data center

Standards

- IEC 60896-21/22
- DL/T 637-1997
- EUROBAT guide

Drawing



Specifications

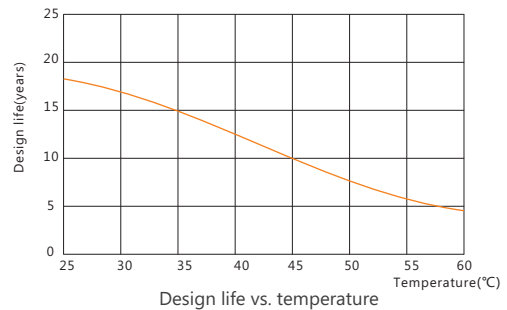
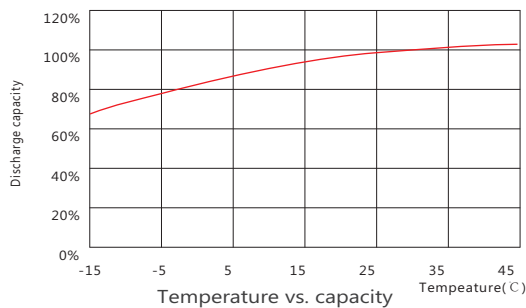
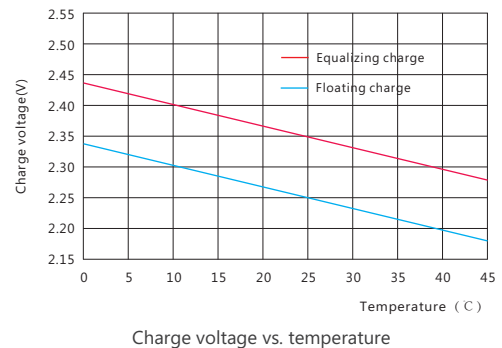
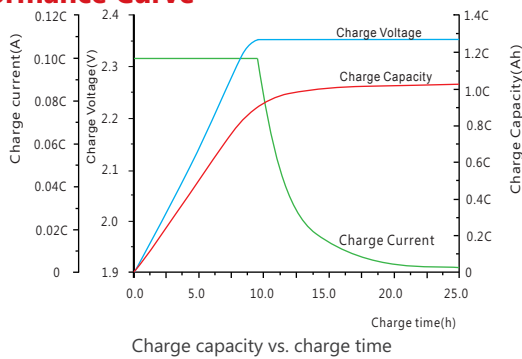
| Battery Model | GFM-1500H | | | |
|--------------------------------------|---|---------------------|-----------------------|------------------|
| Design Life (years, 25°C) | 18 | | | |
| Capacity (Ah, 25°C) | 10HR (150.0A, 1.80V) | 5HR (255.0A, 1.80V) | 3HR (375A, 1.80V) | 1HR(825A, 1.75V) |
| | 1500 | 1275 | 1125 | 825 |
| Dimensions (mm) | Length | Width | Height | Total Height |
| | 282.5 | 230 | 539 | 548 |
| Approx. Weight (kg) | 89.5 | | | |
| Reference Internal Resistance (mΩ) | 0.23 (fully charged @ 25°C) | | | |
| Maximum Discharge Current (A/5 Sec.) | 6600 | | | |
| Self-Discharge (25°C) | ≤ 1.5% per month | | | |
| Charge Voltage (V/cell, 25°C) | Cycle use | | Float use | |
| | 2.35 (-3.5mV/°C/cell), max charge current: 225A | | 2.25 (-3.5mV/°C/cell) | |
| Short Circuit Current (A) | 11500 | | | |

Discharge Data

| Constant Current Discharge Data (25°C, A) | | | | | | | | | | | | | | | |
|---|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| End Voltage (V/cell) | min | | | h | | | | | | | | | | | |
| | 30 | 40 | 50 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | |
| 1.60 | 1205 | 1112 | 984 | 881 | 560 | 428 | 342 | 290 | 251 | 222 | 197 | 180 | 165 | 137 | |
| 1.65 | 1172 | 1085 | 962 | 866 | 548 | 417 | 335 | 284 | 246 | 218 | 194 | 177 | 162 | 135 | |
| 1.70 | 1127 | 1050 | 938 | 848 | 534 | 407 | 326 | 276 | 240 | 212 | 189 | 174 | 159 | 133 | |
| 1.75 | 1073 | 1008 | 911 | 825 | 518 | 393 | 314 | 267 | 233 | 206 | 183 | 170 | 155 | 130 | |
| 1.80 | 1010 | 957 | 870 | 795 | 495 | 375 | 300 | 255 | 224 | 198 | 177 | 164 | 150 | 126 | |

| Constant Power Discharge Data (25°C, W/cell) | | | | | | | | | | | | | | | |
|--|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| End Voltage (V/cell) | min | | | h | | | | | | | | | | | |
| | 30 | 40 | 50 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | |
| 1.60 | 2085 | 1935 | 1721 | 1545 | 990 | 762 | 617 | 528 | 462 | 411 | 368 | 339 | 312 | 261 | |
| 1.65 | 2048 | 1905 | 1698 | 1533 | 978 | 750 | 608 | 521 | 456 | 405 | 363 | 335 | 308 | 260 | |
| 1.70 | 1995 | 1868 | 1673 | 1515 | 963 | 740 | 596 | 510 | 449 | 398 | 357 | 330 | 303 | 257 | |
| 1.75 | 1928 | 1815 | 1643 | 1493 | 945 | 725 | 582 | 498 | 438 | 390 | 348 | 324 | 297 | 252 | |
| 1.80 | 1848 | 1755 | 1598 | 1464 | 923 | 705 | 567 | 485 | 426 | 380 | 341 | 317 | 291 | 246 | |

Performance Curve



Sacred Sun Power Sources Co., Ltd.

Add: No.1 Shengyang Road, Qufu 273100 PRC
Tel: +86-537-4422313 Fax: +86-537-4411980
Email: sales@sacredsun.cn

Sacred Sun Hong Kong Co., Limited

Add: RM 19C Lockhart CTR 301-307 Lockhart RD Wan Chai, Hong Kong
Email: admin.hk@sacredsun.hk

Sacred Sun Asia Pacific Pte Ltd.

Add: 1 Ubi View, #04-12, Focus One, Singapore 408555
Email: admin.sg@sacredsun.sg

Sacred Sun Europe SARRL

Add: ZAE Fontaine, 33210 Fargues, France
Email: admin.eu@sacredsun.eu

Sacred Sun MEA FZE

Add: No. 311 office, Building LOB 14, JAFZA, Dubai, UAE
Email: admin.ae@sacredsun.ae

