

Product Features

- Positive and negative plate thickness design, good corrosion resistance, long service life;
- Special AGM separator, adding gel electrolyte, shallow cycle life is long.
- Special negative paste formula, prevents negative plate sulfation, improve charge acceptance ability, improve charging and discharge performance.
- Patent waterproof terminal structure design, suitable for underground use.

Application

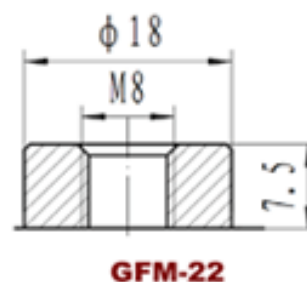
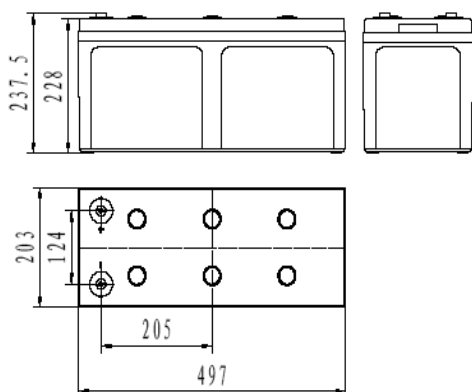
- New energy storage system;
- UPS
- Emergency lighting

Compliant Standards

- IEC 60896-12/22: 2004;
- DIN 43539-T5;
- YD/T 1360-2005;
- Passed ISO9001、ISO14001、OHSAS18001 certificates
- Eurobat guide;

Safety

- installation compliant with:EN50272-2



| | | | | |
|-----------------------|--|--------------------|------------------|------------------|
| Battery Model | SAJ12-150 | | | |
| Designed Life | 10 Years | | | |
| Capacity(25℃) | 20HR(7.5A,1.80V) | 10HR(13.95A,1.80V) | 5HR(25.5A,1.80V) | 1HR(79.5A,1.80V) |
| | 150AH | 139.5AH | 127.5AH | 79.5AH |
| Dimensions | Length | Width | Height | Total Height |
| | 497mm | 203mm | 228mm | 237.5mm |
| Approx. Weight | 57.7kg | | | |
| Internal Resistance | 3.4m Ω | | | |
| Short Circuit Current | 3827A | | | |
| Self Discharge | ≤1.5% per months (25℃) | | | |
| Charge Voltage(25℃) | Cycle use | | Float use | |
| | 14.4V(-21mV/℃), max charge current:30A | | 13.5V(-21mV/℃) | |

Discharge parameter:

| Constant current discharge data (25°C, A) | | | | | | | | | |
|---|-------|-------|-------|-------|------|------|------|------|------|
| End voltage (V/cell) | 1h | 3h | 5h | 10h | 20h | 50h | 100h | 120h | 240h |
| 1.70 | 82.8 | 38.21 | 26.20 | 15.28 | 7.9 | 3.39 | 1.94 | 1.73 | 0.86 |
| 1.75 | 82.5 | 37.84 | 25.77 | 14.69 | 7.7 | 3.26 | 1.78 | 1.57 | 0.80 |
| 1.80 | 79.5 | 37.5 | 25.5 | 13.95 | 7.5 | 3.20 | 1.71 | 1.4 | 0.79 |
| 1.85 | 75.44 | 35.30 | 22.95 | 13.78 | 7.24 | 3.15 | 1.68 | 1.39 | 0.79 |
| 1.90 | 73.51 | 34.99 | 22.61 | 13.08 | 7.01 | 2.93 | 1.65 | 1.37 | 0.78 |

| Constant power discharge data (25°C, W/cell) | | | | | | | | | |
|--|--------|-------|-------|-------|------|------|------|------|------|
| End voltage (V/cell) | 1h | 3h | 5h | 10h | 20h | 50h | 100h | 120h | 240h |
| 1.70 | 150.50 | 63.20 | 45.50 | 27.00 | 14.7 | 7.13 | 3.85 | 3.27 | 1.65 |
| 1.75 | 145.50 | 62.10 | 44.40 | 26.50 | 14.4 | 7.05 | 3.67 | 3.21 | 1.62 |
| 1.80 | 141.50 | 61.10 | 43.20 | 25.90 | 14.2 | 6.75 | 3.42 | 3.09 | 1.59 |
| 1.85 | 137.00 | 60.30 | 42.20 | 25.00 | 13.9 | 6.39 | 3.25 | 2.89 | 1.53 |
| 1.90 | 133.20 | 59.40 | 41.00 | 24.50 | 13.6 | 6.15 | 3.11 | 2.79 | 1.50 |

Performance Curve:
