

**Product Features**

- Sulfuric acid immobilized as a gel using the gaseous SiO<sub>2</sub> which imported from Germany as main electrolyte, The GEL state electrolyte prevents leakage and layering;
- Low resistance PVC-SiO<sub>2</sub> micro-porous separator ensure low internal resistance;
- Paste type, thick plate design, good corrosion resistance, long service life;
- Advanced gel technology, the battery has good charge acceptance ability and good performance in poor power supply condition.

**Application**

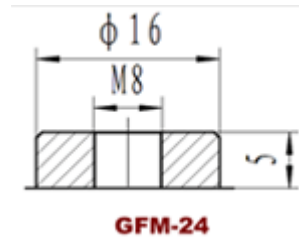
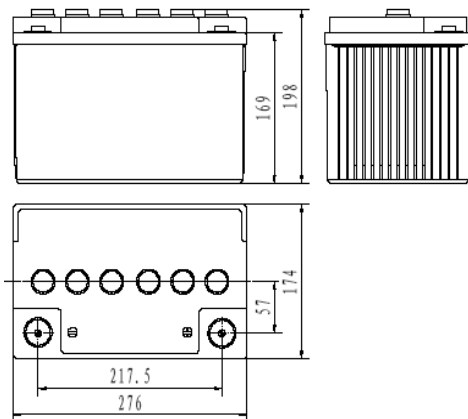
- Telecom
- Nuclear power, standby power supply
- Renewable Energy;
- CATV
- General electronic
- EPS/UPS

**Compliant Standards**

- IEC 60896-21/22: 2004
- IEC 61427-2005
- DIN43539-T5 1984
- YD/T1360-2005
- GB/T 22473-2008
- Passed ISO9001、ISO14001、OHSAS18001、UL and CE certificate
- Eurobat guide;

**Safety**

- installation compliant with:EN50272-2

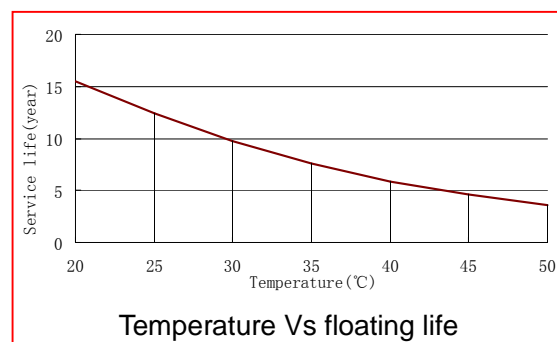
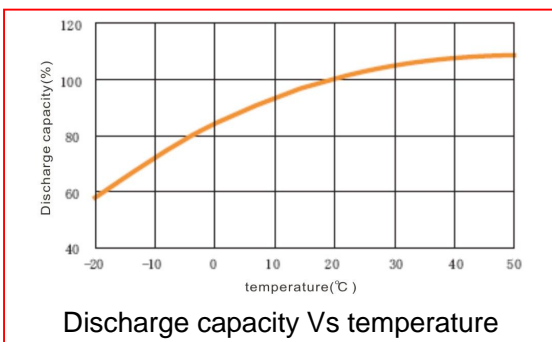
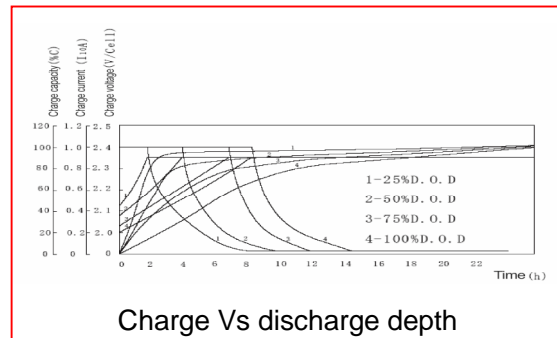
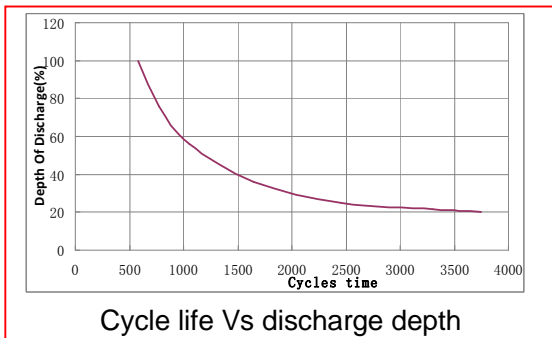


|                       |  |                 |                  |                  |
|-----------------------|--|-----------------|------------------|------------------|
| Battery Model         | 6GFMJ-50                                 |                 |                  |                  |
| Designed Life         | 12 Years                                 |                 |                  |                  |
| Capacity(25°C)        | 10HR(5A,1.80V)                           | 5HR(8.5A,1.80V) | 3HR(12.5A,1.80V) | 1HR(27.5A,1.80V) |
|                       | 50AH                                     | 42.5AH          | 37.5AH           | 27.5AH           |
| Dimensions            | Length                                   | Width           | Height           | Total Height     |
|                       | 276mm                                    | 174mm           | 169mm            | 198mm            |
| Approx. Weight        | 21kg                                     |                 |                  |                  |
| Internal Resistance   | 7.64m $\Omega$                           |                 |                  |                  |
| Max Discharge Current | 718A(3 Sec.)                             |                 |                  |                  |
| Self Discharge        | $\leq 2\%$ per months (25°C)             |                 |                  |                  |
| Charge Voltage(25°C)  | Cycle use                                |                 | Float use        |                  |
|                       | 13.98V(-21mV/°C), max charge current:10A |                 | 13.38V(-21mV/°C) |                  |

**Discharge parameter:**

| Constant current discharge data (25°C, A) |       |        |        |        |        |        |      |      |      |      |     |     |      |      |      |      |      |      |
|---|-------|--------|--------|--------|--------|--------|------|------|------|------|-----|-----|------|------|------|------|------|------|
| End voltage (V/cell)                      | 5min  | 10 min | 15 min | 20 min | 30 min | 45 min | 1h   | 1.5h | 2h   | 3h   | 5h  | 10h | 20h  | 24h  | 48h  | 100h | 120h | 240h |
| 1.60                                      | 139.7 | 101.8  | 79.3   | 66.5   | 48.6   | 38.1   | 28.9 | 22.5 | 17.2 | 13.1 | 8.8 | 5   | 2.70 | 2.31 | 1.22 | 0.63 | 0.55 | 0.29 |
| 1.65                                      | 132.5 | 98.2   | 77.8   | 65.5   | 48.1   | 37.4   | 28.4 | 22.2 | 17.2 | 13.1 | 8.8 | 5   | 2.70 | 2.31 | 1.22 | 0.63 | 0.55 | 0.29 |
| 1.70                                      | 124.8 | 93.1   | 76.2   | 64.0   | 47.6   | 36.2   | 28.4 | 21.8 | 17.2 | 13.1 | 8.8 | 5   | 2.70 | 2.31 | 1.22 | 0.63 | 0.55 | 0.29 |
| 1.75                                      | 115.6 | 86.5   | 73.7   | 61.4   | 46.1   | 35.2   | 27.9 | 21.5 | 17.2 | 13.1 | 8.8 | 5   | 2.70 | 2.31 | 1.22 | 0.63 | 0.55 | 0.29 |
| 1.80                                      | 98.7  | 78.8   | 69.1   | 57.3   | 43.5   | 33.9   | 27.5 | 20.9 | 16.7 | 12.5 | 8.5 | 5   | 2.60 | 2.20 | 1.22 | 0.63 | 0.55 | 0.29 |

| Constant power discharge data (25°C, W/cell) |       |        |        |        |        |        |      |      |      |      |      |     |     |      |      |      |      |      |
|--|-------|--------|--------|--------|--------|--------|------|------|------|------|------|-----|-----|------|------|------|------|------|
| End voltage (V/cell)                         | 5min  | 10 min | 15 min | 20 min | 30 min | 45 min | 1h   | 1.5h | 2h   | 3h   | 5h   | 10h | 20h | 24h  | 48h  | 100h | 120h | 240h |
| 1.60   | 246.5 | 184.7  | 145.0  | 121.7  | 91.2   | 68.6   | 53.4 | 41.5 | 32.5 | 23.6 | 16.1 | 9.5 | 5.1 | 4.58 | 2.43 | 1.25 | 1.10 | 0.59 |
| 1.65   | 229.3 | 177.9  | 141.8  | 120.2  | 90.4   | 68.0   | 52.5 | 41.2 | 32.5 | 23.6 | 16.1 | 9.4 | 5.1 | 4.58 | 2.43 | 1.25 | 1.10 | 0.59 |
| 1.70   | 209.7 | 168.1  | 137.0  | 117.8  | 89.1   | 67.0   | 52.5 | 40.8 | 32.5 | 23.6 | 16.1 | 9.4 | 5.1 | 4.58 | 2.43 | 1.25 | 1.10 | 0.59 |
| 1.75   | 193.3 | 155.8  | 132.8  | 113.3  | 86.8   | 65.5   | 51.5 | 40.4 | 32.5 | 23.6 | 16.1 | 9.3 | 5.1 | 4.58 | 2.43 | 1.25 | 1.10 | 0.59 |
| 1.80   | 179.8 | 142.0  | 126.8  | 106.2  | 82.7   | 63.1   | 50.8 | 39.5 | 31.7 | 23.0 | 15.3 | 9.1 | 5.0 | 4.40 | 2.43 | 1.25 | 1.10 | 0.59 |

**Performance Curve:**


ISO9001 ISO14001 OHSAS18001

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