

**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**

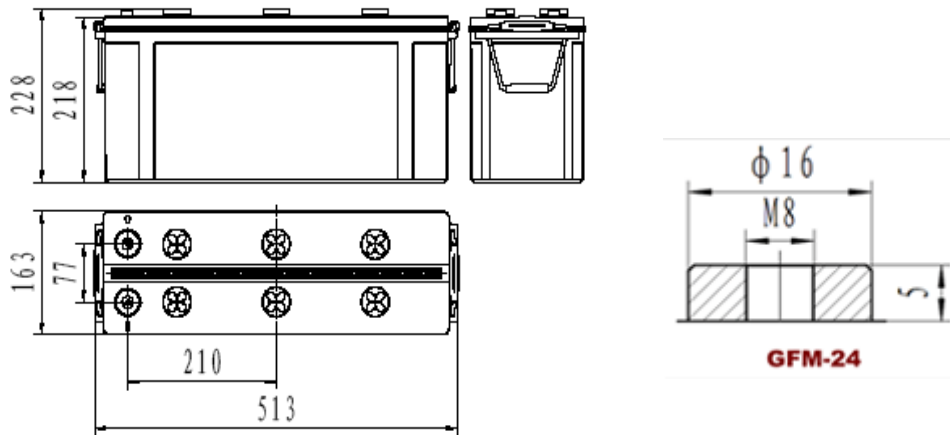
- Telecom
- Nuclear power, standby power supply
- Renewable Energy;
- CATV
- General electronic
- EPS/UPS

**Compliant Standards**

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

**Safety**

- installation compliant with:EN50272-2

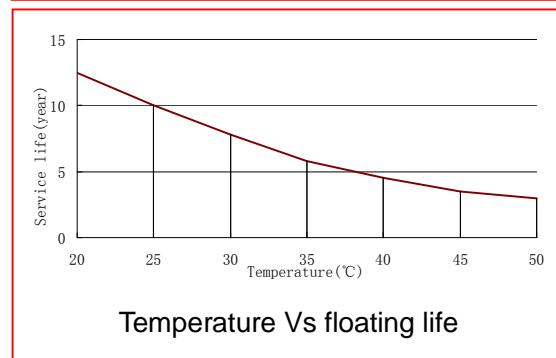
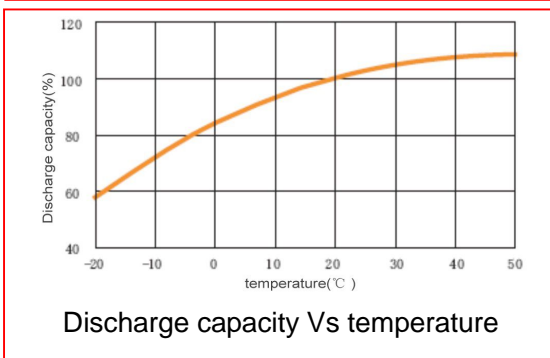
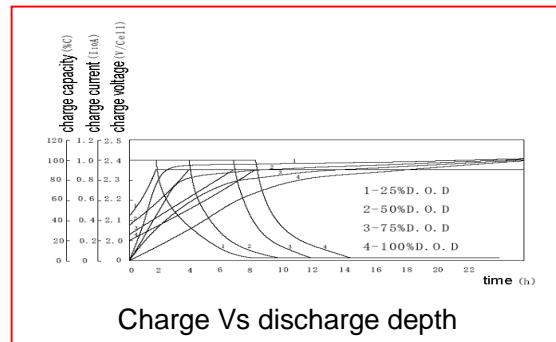
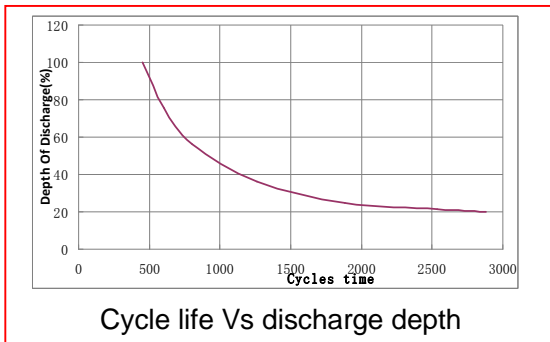


|                      |                              |                |                  |                  |
|----------------------|------------------------------|----------------|------------------|------------------|
| Battery Model        | 6FMJ-100                     |                |                  |                  |
| Designed Life        | 10 Years                     |                |                  |                  |
| Capacity(25°C)       | 10HR(10A,1.80                | 5HR(17A,1.80V) | 3HR(25A,1.80V)   | 1HR(50.0A,1.80V) |
|                      | 100AH                        | 85AH           | 75AH             | 50AH             |
| Dimensions           | Length                       | Width          | Height           | Total Height     |
|                      | 513mm                        | 163mm          | 218mm            | 228mm            |
| Approx. Weight       | 40.0kg                       |                |                  |                  |
| Internal Resistance  | 3.91mΩ                       |                |                  |                  |
| Maximum Discharge    | 1104A(3 Sec.)                |                |                  |                  |
| Self Discharge       | ≤2% per months (25°C)        |                |                  |                  |
| Charge Voltage(25°C) | Cycle use                    |                | Float use        |                  |
|                      | 13.98V(-21mV/°C), max charge |                | 13.38V(-21mV/°C) |                  |

**Discharge parameter:**

| Constant current discharge data (25°C, A) |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |
|---|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| End voltage (V/cell)                      | 5min  | 10min | 15min | 20min | 30min | 45min | 1h   | 1.5h | 2h   | 3h   | 5h   | 10h  | 20h  | 24h  | 48h  | 100h | 120h | 240h |
| 1.60                                      | 273.7 | 199.5 | 155.4 | 130.3 | 95.3  | 68.5  | 53.6 | 44.0 | 33.7 | 25.7 | 17.5 | 10.0 | 5.29 | 4.53 | 2.38 | 1.23 | 1.07 | 0.57 |
| 1.65                                      | 259.7 | 192.5 | 152.4 | 128.3 | 94.3  | 66.8  | 52.9 | 43.4 | 33.7 | 25.7 | 17.5 | 10.0 | 5.29 | 4.53 | 2.38 | 1.23 | 1.07 | 0.57 |
| 1.70                                      | 244.6 | 182.5 | 149.4 | 125.3 | 93.2  | 66    | 52.0 | 42.7 | 33.7 | 25.7 | 17.5 | 10.0 | 5.29 | 4.53 | 2.38 | 1.23 | 1.07 | 0.57 |
| 1.75                                      | 226.6 | 169.4 | 144.4 | 120.3 | 90.3  | 65.4  | 51.3 | 42.1 | 33.7 | 25.7 | 17.5 | 10.0 | 5.29 | 4.53 | 2.38 | 1.23 | 1.07 | 0.57 |
| 1.80                                      | 193.5 | 154.4 | 135.3 | 112.3 | 85.3  | 64.9  | 50.0 | 41.0 | 32.7 | 25.0 | 17.0 | 10.0 | 5.10 | 4.31 | 2.38 | 1.23 | 1.07 | 0.57 |

| Constant power discharge data (25°C, W/cell) |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |
|--|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| End voltage (V/cell)                         | 5min  | 10min | 15min | 20min | 30min | 45min | 1h    | 1.5h | 2h   | 3h   | 5h   | 10h  | 20h  | 24h  | 48h  | 100h | 120h | 240h |
| 1.60   | 493.0 | 369.3 | 289.9 | 243.3 | 182.3 | 137.1 | 106.8 | 83.0 | 65.0 | 47.1 | 32.2 | 19.0 | 10.2 | 9.15 | 4.86 | 2.50 | 2.20 | 1.17 |
| 1.65   | 458.6 | 355.7 | 283.5 | 240.4 | 180.7 | 135.9 | 104.9 | 82.4 | 65.0 | 47.1 | 32.2 | 18.8 | 10.2 | 9.15 | 4.86 | 2.50 | 2.20 | 1.17 |
| 1.70   | 419.3 | 336.1 | 274.0 | 235.5 | 178.2 | 134.0 | 104.9 | 81.6 | 65.0 | 47.1 | 32.2 | 18.8 | 10.2 | 9.15 | 4.86 | 2.50 | 2.20 | 1.17 |
| 1.75   | 386.5 | 311.5 | 265.5 | 226.6 | 173.6 | 130.9 | 103.0 | 80.8 | 65.0 | 47.1 | 32.2 | 18.6 | 10.2 | 9.15 | 4.86 | 2.50 | 2.20 | 1.17 |
| 1.80   | 359.6 | 284.0 | 253.5 | 212.3 | 165.4 | 126.2 | 101.6 | 78.9 | 63.4 | 45.9 | 30.5 | 18.1 | 9.92 | 8.80 | 4.86 | 2.50 | 2.20 | 1.17 |

**Performance Curve:**


ISO9001 ISO14001 OHSAS18001

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