

**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**

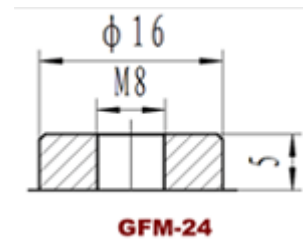
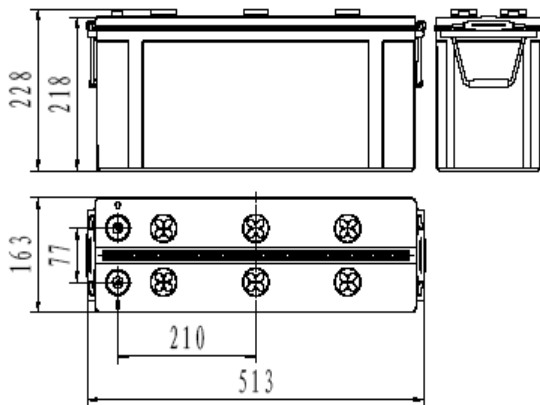
- Telecom
- Nuclear power, standby power supply
- Renewable Energy;
- CATV
- General electronic
- EPS/UPS

**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-100			
Designed Life	12 Years			
Capacity(25°C)	10HR(10A,1.80V)	5HR(17A,1.80V)	3HR(25A,1.80V)	1HR(55A,1.80V)
	100AH	85AH	75AH	55AH
Dimensions	Length	Width	Height	Total Height
	513mm	163mm	218mm	228mm
Approx. Weight	44kg			
Internal Resistance	3.91mΩ			
Max Discharge Current	1104A(3 Sec.)			
Self Discharge	≤2% per months (25°C)			
Charge Voltage(25°C)	Cycle use		Float use	
	13.98V(-21mV/°C), max charge current:20A		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	279.3	203.6	158.6	133.0	97.2	76.2	57.8	44.9	34.4	26.2	17.5	10.0	5.40	4.62	2.43	1.25	1.09	0.58
1.65	265.0	196.4	155.5	130.9	96.2	74.7	56.7	44.3	34.4	26.2	17.5	10.0	5.40	4.62	2.43	1.25	1.09	0.58
1.70	249.6	186.2	152.4	127.9	95.1	72.4	56.7	43.6	34.4	26.2	17.5	10.0	5.40	4.62	2.43	1.25	1.09	0.58
1.75	231.2	172.9	147.3	122.8	92.1	70.4	55.7	43.0	34.4	26.2	17.5	10.0	5.40	4.62	2.43	1.25	1.09	0.58
1.80	197.4	157.5	138.1	114.6	87.0	67.8	55.0	41.8	33.4	25.0	17.0	10.0	5.20	4.40	2.43	1.25	1.09	0.58

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	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:**
