

### Product Features

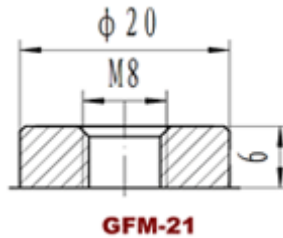
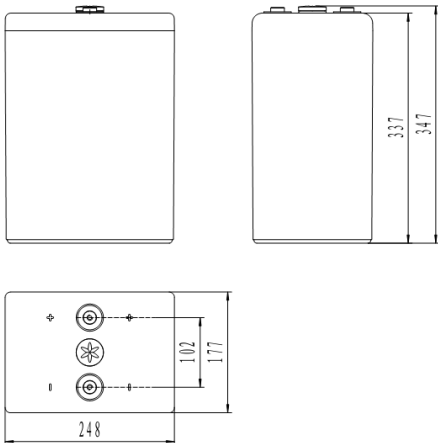
- use special lead tin polybasic alloy, special grid structure design greatly improving plate's anti-corrosion performance
- Adding imported 4BS crystal in positive active material, ensuring battery's accordance and good cyclic performance.
- Using special formula material separator, with high wet keep ability, effectively prevent the falling of the active material.
- Use high strength and heat-resistance container material, design of streamlined large rounded container structure, no bulge, deformation and cracking under high temperature ;
- low density electrolyte, it can lower the grid corrosion speed and solve the battery water loss problem in high temperature

### Application

- High Temperature BTS,
- Unstable grid BTS
- Remote area BTS
- Solar & Wind Storage System

### Compliant Standards

- GB/T 22473-2008;
- YD/T 799-2010;
- JIS C8704-1: 2006;
- JIS C8704-2: 2006;
- IEC 60896-21/22: 2004;
- IEC 61427-2005

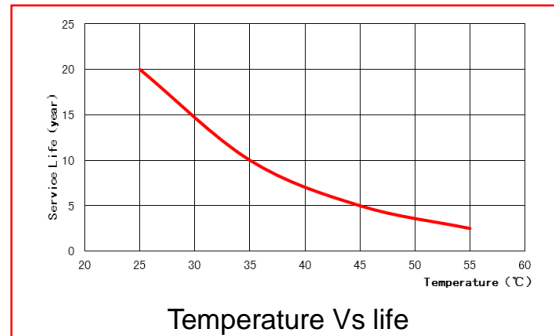
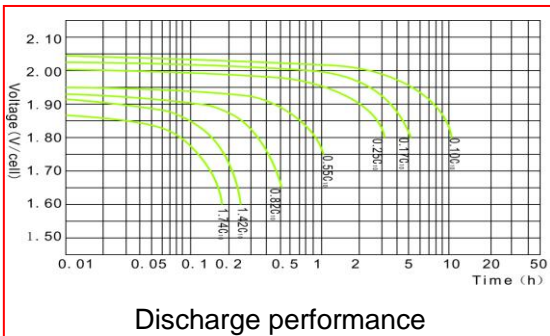
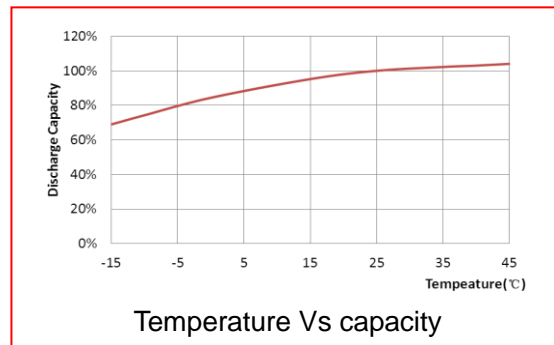
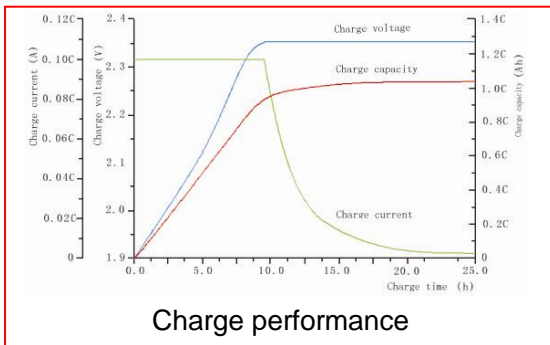


Battery Model	GFM-500HT			
Designed Life	10Years(35℃)			
Capacity(25℃)	10HR(50A,1.80V)	5HR(90.6A,1.80V)	3HR(132A,1.80V)	1HR(290A,1.75V)
	500AH	453AH	396AH	290AH
Dimensions	Length	Width	Height	Total Height
	248mm	177mm	337mm	347mm
Approx. Weight	35.5kg			
Internal Resistance	0.28mΩ for fully charged battery at 25℃ Test instrumentation: HIOKI 3551 BATTERY HITESTER			
Maximum Discharge Current	2750A(5 Sec.)			
Self Discharge	≤1% per months (25℃)			
Charge Voltage(25℃)	Cycle use		Float use	
	2.35V(-3.0mV/℃, max charge current:100A)		2.25V(-3.0mV/℃)	

**Discharge parameter:**

Constant current discharge data (25°C , A)													
End voltage (V/cell)	min					h							
	5	10	15	20	30	1	2	3	5	6	8	10	24
1.60	1190	911	747	631	496	311	191	141	95.0	83.5	66.4	56.9	24.3
1.65	1061	827	684	582	463	302	187	139	93.9	82.7	65.7	56.0	24.2
1.70	970	752	627	557	432	292	184	137	92.9	81.9	65.2	55.0	24.0
1.75	834	689	584	522	416	290	181	134	91.7	80.8	64.5	53.6	23.9
1.80	738	629	546	486	399	280	176	132	90.6	79.8	63.8	50.0	23.7

Constant power discharge data (25°C , W/cell)													
End voltage (V/cell)	min					h							
	5	10	15	20	30	1	2	3	5	6	8	10	24
1.60	2009	1567	1309	1137	922	603	382	278	188	165	135	113	56.0
1.65	1809	1409	1188	1038	863	576	369	271	185	162	134	111	55.0
1.70	1598	1279	1094	958	807	557	359	265	182	160	132	110	54.1
1.75	1407	1176	1010	892	755	531	350	260	179	158	130	109	53.3
1.80	1304	1075	928	821	709	514	340	254	176	156	129	107	52.7

**Performance Curve :**


Address: NO.1 Shengyang Road, Qufu, Shandong 273100 China

Tel: +86-537-4438666-6028

Fax: +86-537-4411936

E-mail: sales@sacredsun.cn

<http://www.sacredsun.com>