

Product Features

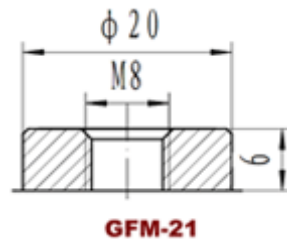
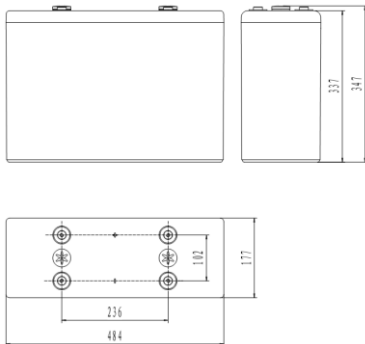
- use special lead tin polybasic alloy, special grid structure design greatly improving plate's anti-corrosion performance
- Adding imported 4BS crystal in positive active material, ensuring battery's accordance and good cyclic performance.
- Using special formula material separator, with high wet keep 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

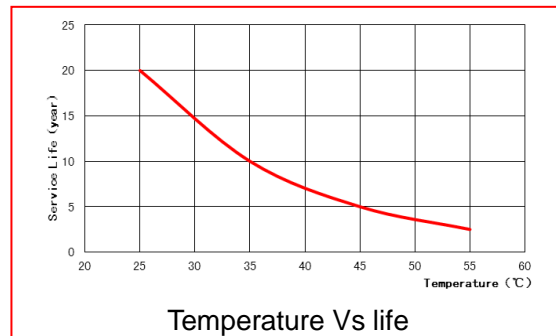
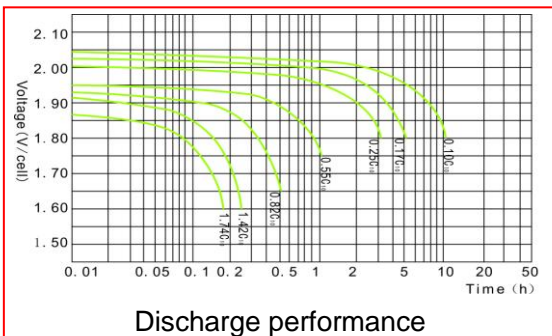
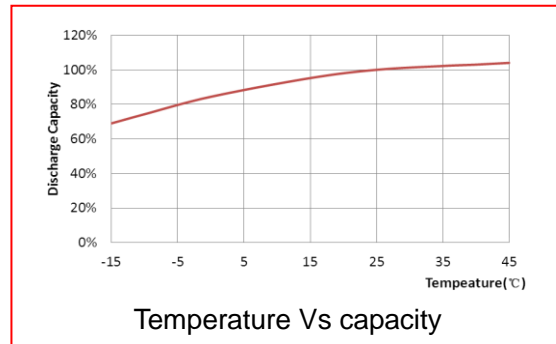
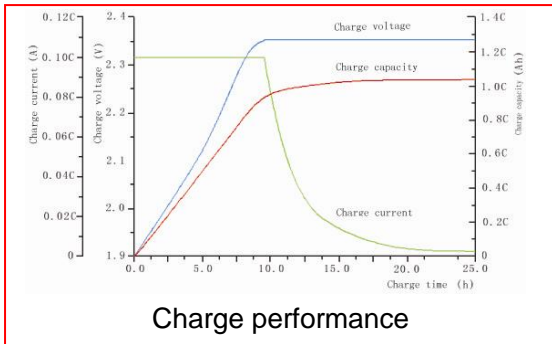


Battery Model	GFM-1000HT			
Designed Life	10Years(35°C)			
Capacity(25°C)	10HR(100A,1.80V	5HR(181A,1.80V)	3HR(265A,1.80V)	1HR(580A,1.75V)
	1000AH	905AH	795AH	580AH
Dimensions	Length	Width	Height	Total Height
	484mm	177mm	337mm	347mm
Approx. Weight	71.0kg			
Internal Resistance	0.14m Ω for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER			
Maximum Discharge Current	5000A(5 Sec.)			
Self Discharge	$\leq 1\%$ per months (25°C)			
Charge Voltage(25°C)	Cycle use		Float use	
	2.35V(-3.0mV/°C, max charge current:200A)		2.25V(-3.0mV/°C)	

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	2380	1823	1494	1262	992	621	381	281	190	167	133	114	48.6
1.65	2123	1654	1368	1164	927	604	375	277	188	165	131	112	48.3
1.70	1940	1503	1253	1114	865	584	368	273	186	164	130	110	48.0
1.75	1667	1377	1169	1045	832	580	361	269	183	162	129	107	47.7
1.80	1476	1257	1093	973	798	560	353	265	181	160	128	100	47.4

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	4017	3134	2618	2274	1844	1205	764	556	377	331	271	226	112.1
1.65	3618	2818	2376	2077	1725	1153	738	541	370	324	268	222	110.0
1.70	3197	2558	2189	1917	1614	1114	718	530	365	320	264	220	108.1
1.75	2814	2353	2020	1785	1509	1062	700	519	358	316	261	217	106.5
1.80	2607	2151	1856	1643	1418	1027	681	508	352	311	257	215	105.4

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