

Product Features

- Patent rectangular gridding grid design which provide long service life;
- Special negative active material additives to improve the performance of high and low temperature and battery charge receptivity;
- Patent positive plate 4BS technology, high temperature and high humidity curing process which provide high cycle capability;
- Polar group tight assembly technology, effectively prevent the active material softening and shedding.

Application

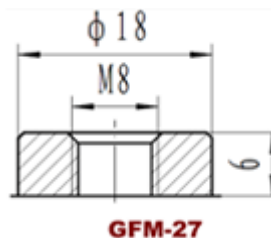
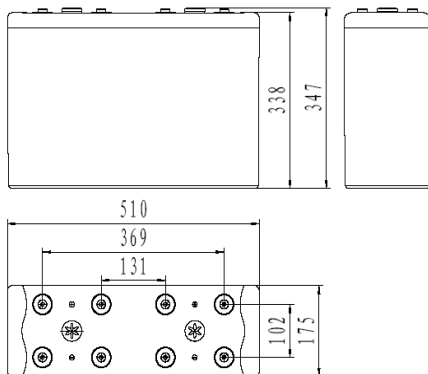
- Solar energy system
- Wind energy system
- Wind and solar complementary energy system

Compliant Standards

- GB/T 22473-2008
- IEC 61427-2005
- JIS C8704-1: 2006
- JIS C8704-2: 2006
- Passed ISO9001、ISO14001、OHSAS18001、UL、CE and Golden Sun certificate
- Eurobat guide;

Safety

- installation compliant with:EN50272-2

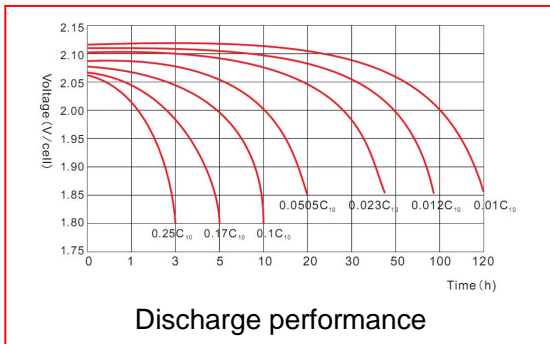


Battery Model	GFMU-1200C			
Designed Life	15Years			
Capacity(25°C)	120HR(12.0A,1.85V)	20HR(61.2A,1.80V)	10HR(120A,1.80V)	
	1440AH		1224AH	1200AH
Dimensions	Length	Width	Height	Total Height
	510mm	175mm	338mm	347mm
Approx. Weight	71.5kg			
Internal Resistance	0.18mΩ for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER (25			
Max Discharge Current	6000A(5 Sec.)			
Self Discharge	≤1% per months (25°C)			
Charge Voltage(25°C)	Cycle use		Float use	
	2.35V(-3.5mV/°C), max charge current:180A		2.25V(-3.5mV/°C)	

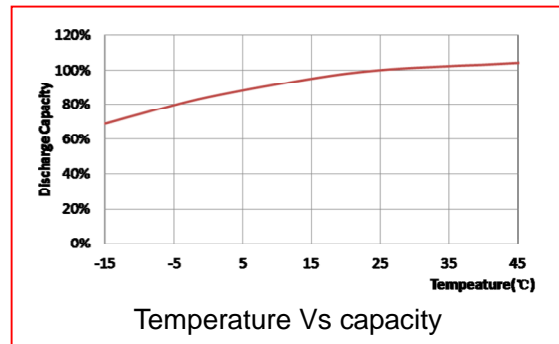
Discharge parameter:

Constant current discharge data (25°C, A)																	
End voltage (V/cell)	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h	24h	48h	96h	120h	240h
1.75	660	414	304	246	206	180	161	145	133	121	102	62.0	53.0	28.4	14.8	12.3	6.28
1.80	632	400	300	242	204	178	159	144	131	120	100	61.2	52.4	28.0	14.7	12.2	6.24
1.85	584	378	284	228	198	173	154	140	129	118	99	60.4	51.8	27.6	14.6	12.0	6.20
1.90	544	352	268	218	190	167	149	136	126	116	97.2	59.6	51.2	27.2	14.6	11.8	6.16
1.95	490	328	252	210	182	161	145	133	124	114	95.8	58.8	50.8	27.0	14.5	11.7	6.12

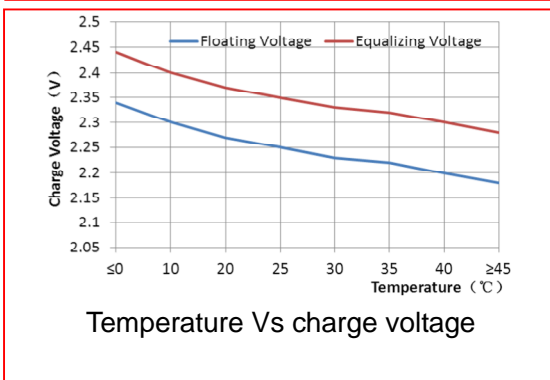
Constant power discharge data (25°C, W/cell)																	
End voltage (V/cell)	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h	24h	48h	96h	120h	240h
1.75	1094	721	546	440	377	332	302	274	250	228	195	123	106	55.6	28.7	23.7	12.4
1.80	1045	701	534	431	370	327	297	271	246	226	193	122	105	55.3	28.6	23.6	12.4
1.85	1001	679	521	423	362	322	292	267	242	221	191	121	105	55.2	28.4	23.5	12.3
1.90	958	659	506	413	354	316	287	263	237	216	189	120	104	54.8	28.3	23.4	12.3
1.95	905	634	492	404	345	309	282	256	232	212	185	119	103	54.7	28.2	23.2	12.2

Performance Curve:


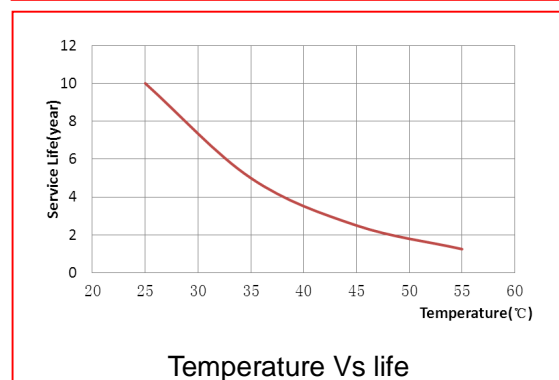
Discharge performance



Temperature Vs capacity



Temperature Vs charge voltage



Temperature Vs life



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>