

Product Features

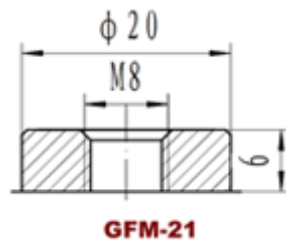
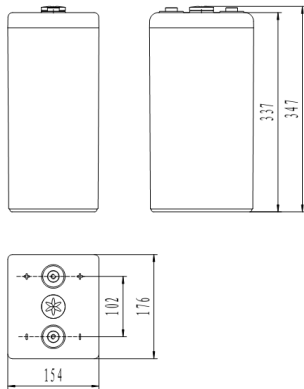
- use special lead tin polybasic alloy, special grid structure design greatly improving plate's anti-corrosion performance
- Adding imported 4BS crystal in positive active material, ensuring battery's accordance and good cyclic performance.
- Using special formula material separator, with high wet keep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

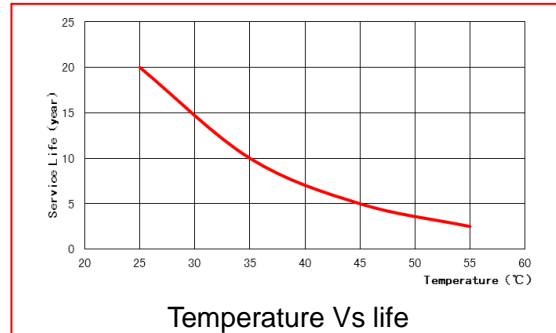
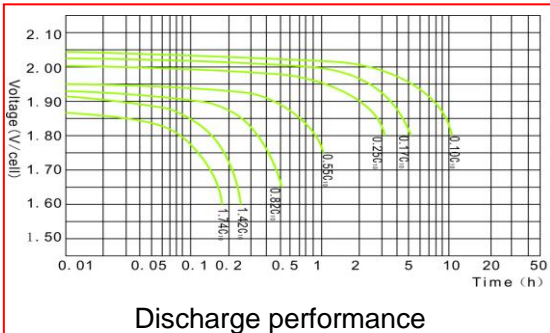
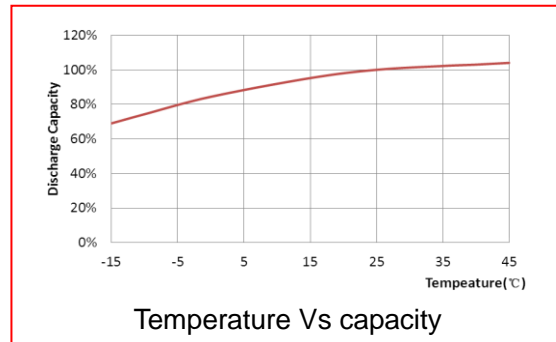
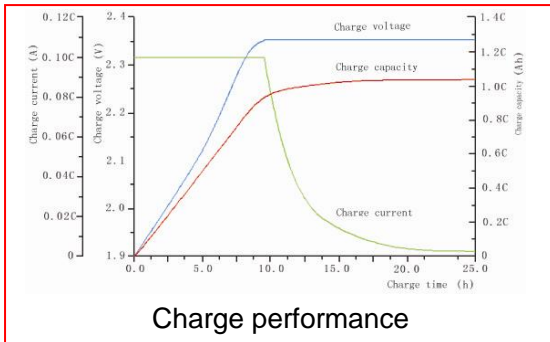


Battery Model	GFM-300HT			
Designed Life	10Years(35℃)			
Capacity(25℃)	10HR(30A,1.80V)	5HR(52.2A,1.80V)	3HR(76.3A,1.80V)	1HR(165A,1.75V)
	300AH	261AH	228.9AH	165AH
Dimensions	Length	Width	Height	Total Height
	154mm	176mm	337mm	347mm
Approx. Weight	21.5kg			
Internal Resistance	0.34mΩ for fully charged battery at 25℃ Test instrumentation: HIOKI 3551 BATTERY HITESTER			
Maximum Discharge Current	1650A(5 Sec.)			
Self Discharge	≤1% per months (25℃)			
Charge Voltage(25℃)	Cycle use		Float use	
	2.35V(-3.0mV/℃, max charge current:60A)		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	685	525	430	363	286	177	110	81.0	54.8	47.2	37.5	31.1	13.7
1.65	611	476	394	335	267	172	108	79.8	54.1	46.7	37.1	30.8	13.6
1.70	559	433	361	321	249	166	106	78.7	53.5	46.2	36.8	30.6	13.5
1.75	480	397	337	301	239	165	104	77.4	52.8	45.7	36.4	30.4	13.4
1.80	425	362	315	280	230	160	102	76.3	52.2	45.1	36.0	30.0	13.3

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	1020	869	726	630	491	321	203	151	102	89.9	73.6	61.5	30.5
1.65	919	781	659	576	460	307	197	147	101	88.2	72.7	60.4	29.9
1.70	812	709	607	531	430	297	191	144	99.2	87.0	71.9	59.8	29.4
1.75	715	652	560	495	402	283	186	141	97.4	85.9	70.9	59.1	28.9
1.80	662	596	515	455	378	274	181	138	95.7	84.6	70.0	58.4	28.6

Performance Curve:


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