



GFM-C Series

GFM-600C (2V600Ah)

GFM-C series VRLA batteries use the latest AGM technology, high-purity raw materials, and various patented technologies to ensure a long floating and cycle life. These batteries are ideal for applications with stable networks with low depths of discharge. They are primarily used for indoor telecommunication base stations.



Benefits

- Long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Horizontal installation

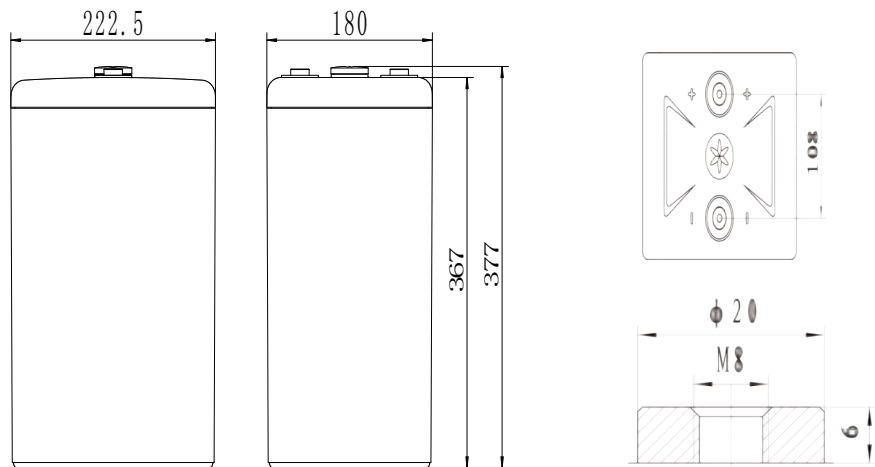
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

- IEC 60896-21/22
- JIS C8704-1/2
- EUROBAT guide

Drawing



GFM-21

Specifications

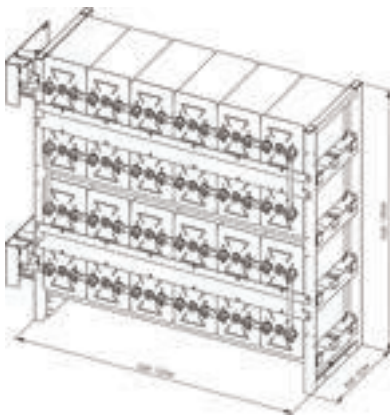
Battery Model	GFM-600C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (60A, 1.80V)	5HR (102A, 1.80V)	3HR (150A, 1.80V)	1HR (330A, 1.75V)
	600	510	450	330
Dimensions (mm)	Length	Width	Height	Total Height
	225.5	180	367	377
Approx. Weight (kg)	33.5			
Reference Internal Resistance (mΩ)	0.34 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	2100			
Self-Discharge (25°C)	≤ 1.5% per months			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current: 90A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	5300			

Discharge Data

Constant Current Discharge Data (25°C, A)																
End Voltage (V/cell)	min							h								
	5	10	15	20	30	40	50	1	1.5	2	3	5	8	10	24	
1.60	912	840	786	708	576	528	450	408	319	235	174	119	81.6	66.0	28.6	
1.65	852	786	732	660	534	480	420	384	294	226	68	114	79.2	64.8	28.1	
1.70	774	708	648	600	492	438	396	360	274	216	162	109	76.8	63.4	28.1	
1.75	702	624	564	516	450	402	360	330	252	204	156	106	74.4	61.8	27.2	
1.80	600	552	504	468	408	366	330	300	235	192	150	102	72.0	60.0	26.5	

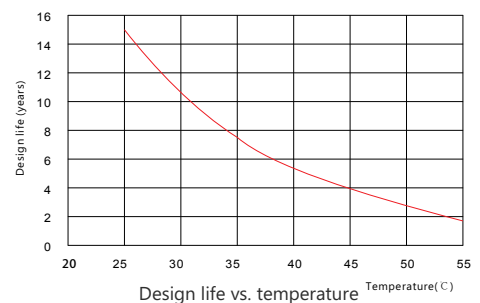
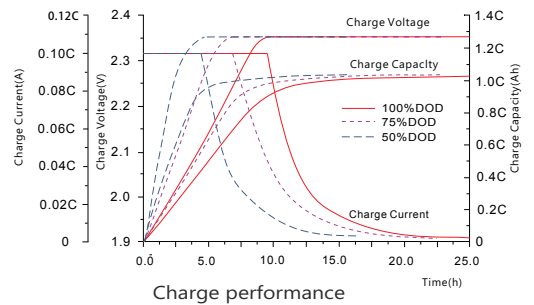
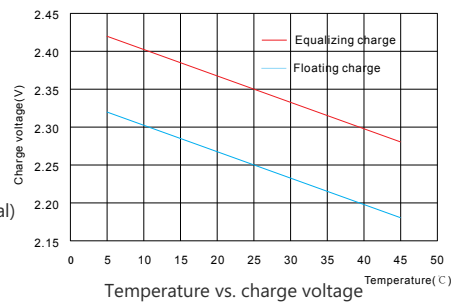
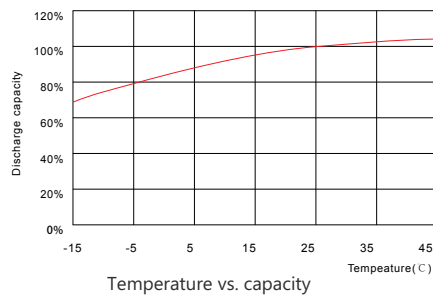
Constant Power Discharge Data (25°C, W/cell)																
End Voltage (V/cell)	min							h								
	5	10	15	20	30	40	50	1	1.5	2	3	5	8	10	24	
1.60	1564	1456	1373	1242	1017	937	802	730	575	427	318	220	153	124	55.7	
1.65	1492	1391	1304	1181	962	869	763	700	538	417	313	214	151	124	55.3	
1.70	1383	1278	1177	1094	904	808	734	669	512	406	307	209	148	123	54.9	
1.75	1280	1149	1044	959	842	756	679	624	479	390	300	205	145	121	53.7	
1.80	1111	1032	947	883	774	697	630	575	452	371	291	199	141	118	52.5	

Rack Layout



48V Standard Rack (Anti-seismic rack is optional)
 Rack material: powder-coated steel
 Height*width: 6*4/4*6 (optional)
 Ref. GFM-600C Rack (approx. weight: 892kg)

Performance Curve



Disclaimer: The manufacturer reserves the right to amend and/or vary the specifications and parameters of the product and apply updates accordingly at any time. It is the sole responsibility of the buyer and user of the product to ensure all applicable product specifications referred to are valid, applicable and up to date at all times. All product specifications are available upon written request to Alpha House Ltd. All batteries must be installed, used and maintained at all times in accordance with standard BS EN IEC 62485-2:2018, and specifically installed, used and maintained at all times in accordance with manufacturer's guidelines and product specification documentation. (All top terminal, front terminal and top vented batteries must be positioned horizontally, plumb and level at all times unless specified otherwise by the manufacturer. Further details are available upon written request to Alpha House Ltd.)