

GFMD-C Series

GFMD-600C 2V 600Ah

GFMD-C series VRLA battery uses latest AGM technology, high purity raw materials and many patented technologies that ensure its long floating and cycle life, it is applicable to less frequency of power failure, and shallow discharge of depth site. It is mainly used for indoor telecommunication base station.

Benefits

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

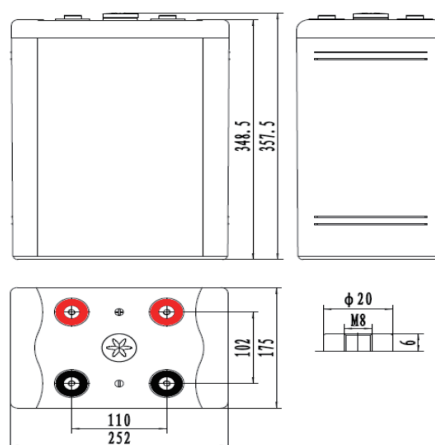
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

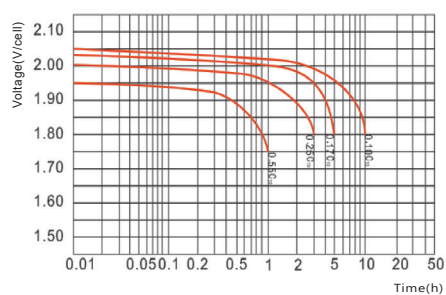
Battery Model	GFMD-600C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (60A, 1.80V)	5HR (102A, 1.80V)	3HR (150A, 1.80V)	1HR (330A, 1.75V)
	600	510	450	330
Dimensions (mm)	Length	Width	Height	Total Height
	252	175	348.5	357.5
Approx. Weight (kg)	36.3			
Reference Internal Resistance (mΩ)	0.33 ±15% (fully charged @ 25°C, Testing device: HIOKIBT3562)			
Self-Discharge (25°C)	≤2.0% 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)	6000 (for reference only)			

Discharge Data

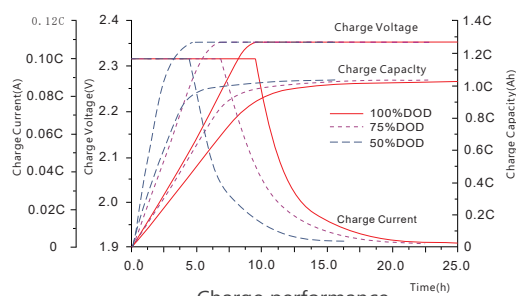
Constant Current Discharge Data (25°C, A)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	550	461	399	348	217	160	127	107	93.1	82.4	74.0	67.2	61.8	51.9
1.65	519	439	383	342	213	158	126	106	92.2	81.7	73.3	66.5	61.3	51.5
1.70	489	418	367	332	209	155	124	105	91.3	81	72.6	65.8	60.8	51.1
1.75	473	406	359	330	205	153	123	103	90.1	80.3	71.9	65.2	60.4	50.7
1.80	455	393	347	314	201	150	121	102	89	79.3	71.1	64.6	60.0	50.3

Constant Power Discharge Data (25°C, W/cell)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	927	777	687	612	394	292	233	198	174	157	142	130	119	100.8
1.65	861	732	653	591	380	284	228	194	171	155	141	128	117	99.6
1.70	804	694	618	574	370	279	224	192	168	153	139	127	116	98.5
1.75	753	652	590	547	361	273	220	188	166	151	137	125	114	97.5
1.80	706	616	569	522	351	267	216	185	164	149	135	123	113	96.5

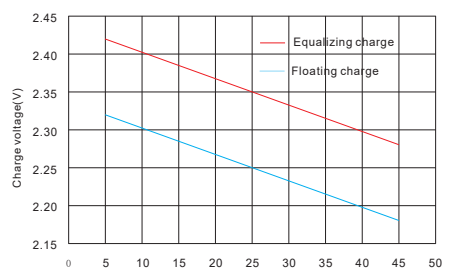
Performance Curve



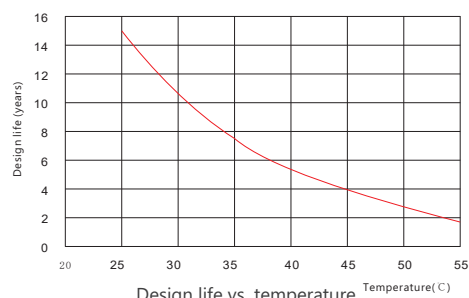
Discharge voltage vs. discharge time



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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