

GFM-HES Series

GFM-800HES 2V800Ah

GFM-HES series VRLA battery is a robust AGM battery designed for telecom, energy storage and UPS applications. Its dedicated deep cycle formulation and high temperature and high humidity curing process make it with good deep cycle performance, its excellent performance make it an impressive product in China and overseas market.



Benefits

- Very long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling

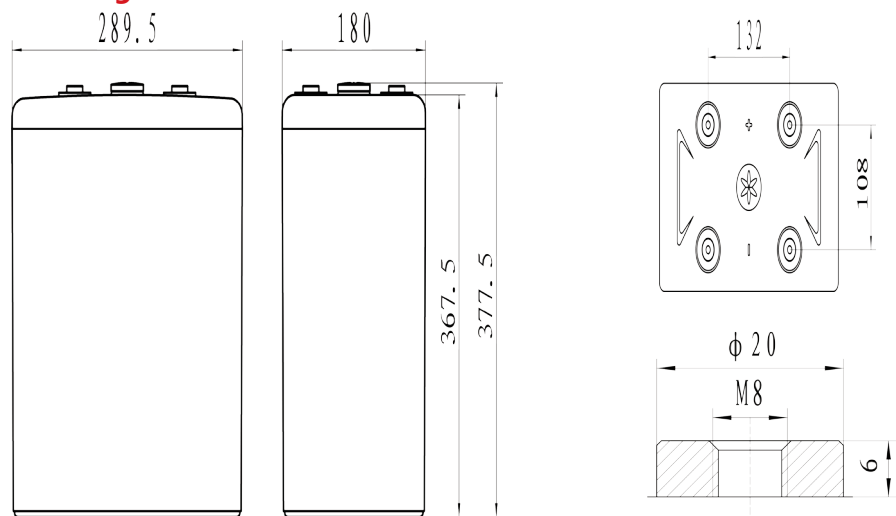
Applications

- Telecommunications
- Power system
- Renewable energy
- UPS
- Emergency power

Standards

- IEC 61427
- JIS C8704-1/2
- EUROBAT guide

Drawing



Specifications

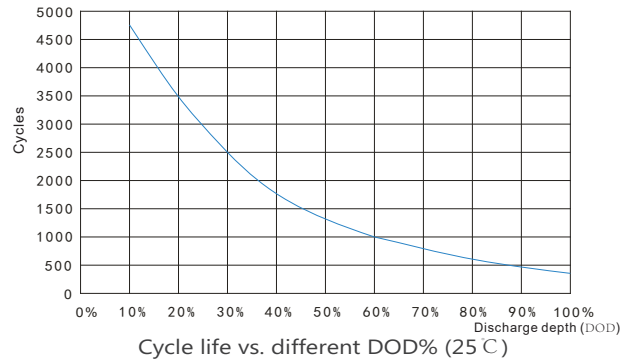
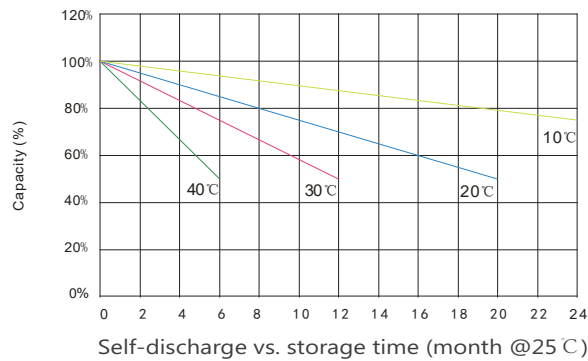
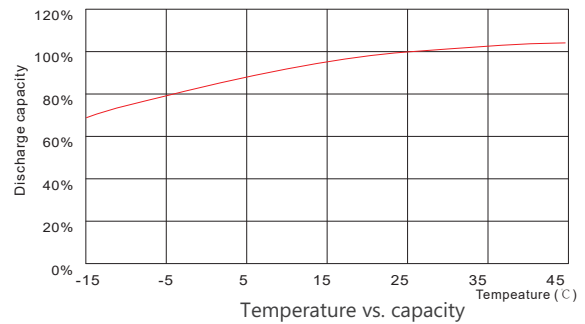
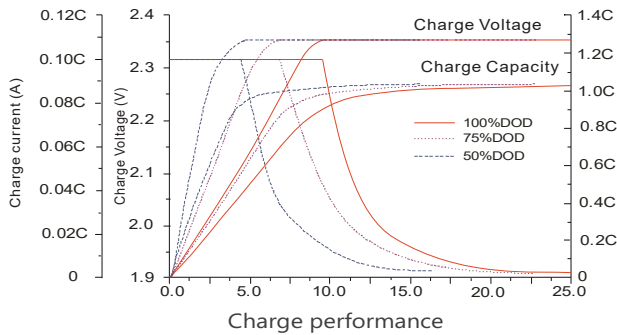
Battery Model	GFM-800HES			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (80A, 1.80V)	5HR (145A, 1.80V)	3HR (212A, 1.80V)	1HR (464A, 1.75V)
	800	725	636	464
Dimensions (mm)	Length	Width	Height	Total Height
	289.5	180	367.5	377.5
Approx. Weight (kg)	48.4			
Reference Internal Resistance (mΩ)	0.25 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	4200			
Self-Discharge (25°C)	≤ 1.5 % per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current: 256A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	8000			

Discharge Data

Constant Current Discharge Data (25°C, A)												
End Voltage (V/cell)	min	h										
	30	1	2	3	4	5	6	8	10	24	48	100
1.75	665	464	290	215	180	147	129	98.7	86.0	38.1	19.9	10.8
1.80	638	447	282	212	177	145	128	97.8	80.0	37.8	19.2	10.6
1.85	600	408	275	206	173	142	126	96.3	77.9	37.3	19.0	10.2
1.88	511	344	260	175	155	132	125	87.1	74.0	33.6	17.2	9.5
1.90	447	320	243	167	150	130	124	85.2	72.0	32.0	16.7	9.4

Constant Power Discharge Data (25°C, W/cell)												
End Voltage (V/cell)	min	h										
	30	1	2	3	4	5	6	8	10	24	48	100
1.75	1207	848	560	415	352	288	253	209	173	85.2	39.4	20.3
1.80	1135	822	545	407	344	282	248	206	171	84.2	38.0	19.8
1.85	1061	741	477	367	259	264	242	189	161	68.9	35.6	19.2
1.88	946	675	441	353	245	247	237	186	156	67.2	34.2	18.7
1.90	820	577	406	296	233	232	233	178	149	64.7	32.6	18.0

Performance Curve



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