

6-GFMZ-100

Stationary Front Terminal Batteries

ALLGRAND®

Power the World



Applications

- Data Center, UPS, EPS
- Base Stations and Networking Centers
- Outdoor E&E Integration Cabinets
- Cloud Computing Centers, Emergency Centers
- Medical Equipment, Emergency Lights

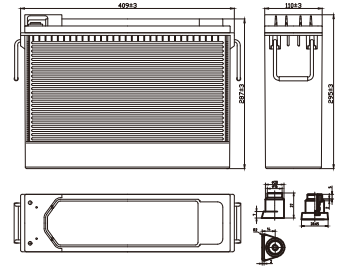
Highlights

- Long design life (up to 10 years)
- Ease of installation with front terminals
- High specific energy, low IR & self discharge
- Higher reaction efficiency and deep-cycle performance

Features

- Cycle life is prolonged by our proprietary corrosion resistant alloy;
- A greater ability to deliver large currents is provided by the radial grids.
- Deep-cycle performance is enhanced by our proprietary paste recipes and curing process
- Long and narrow high-strength jars and covers can reduce impacts from earthquakes and prevent the battery from damaging due to high temperatures;

Dimensions



L : 395mm W : 110mm
H : 285mm TH : 285mm

Certifications



Specifications

Model	6-GFMZ-100	
Design Life	10 years	
Nominal Capacity	20HR(5.4A,1.80V)	108Ah
	10HR(10A,1.80V)	100Ah
	3HR(27A,1.80V)	81Ah
	1HR(55A,1.80V)	55Ah
Internal Resistance	6.7mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.35V/Cell (-4mV/°C/Cell) Max. Charge Current:15 A	2.25V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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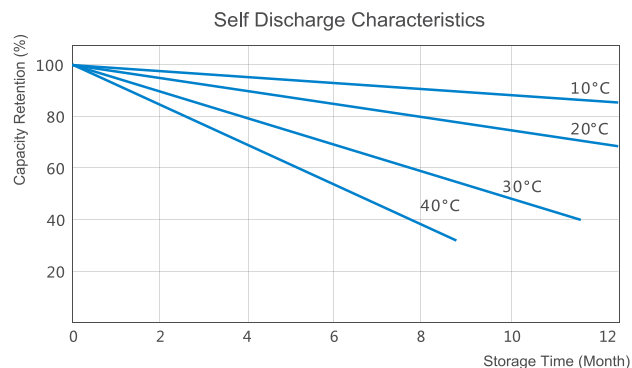
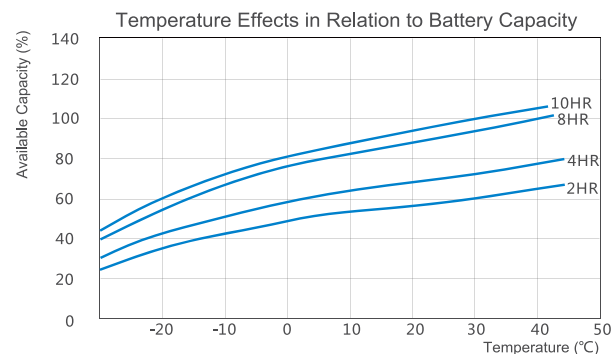
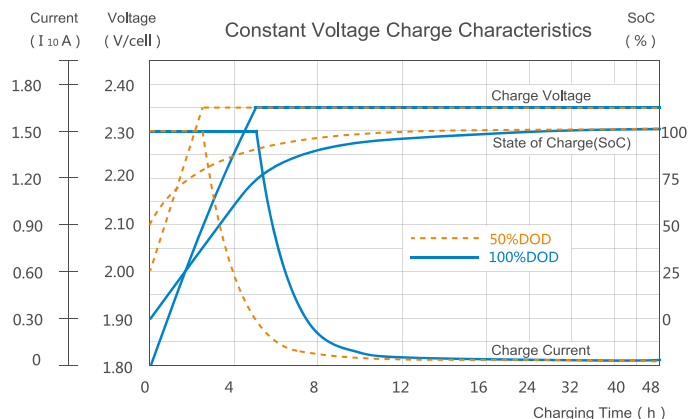
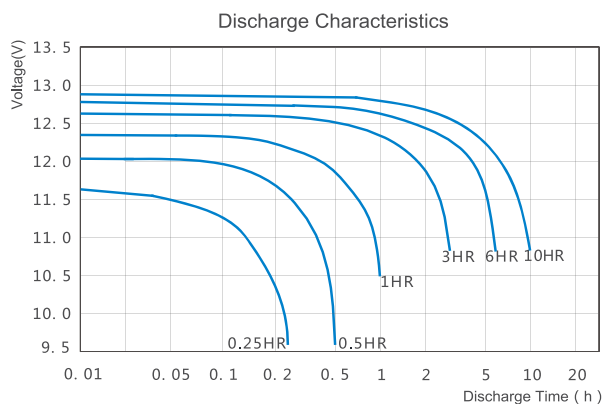
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFMZ-100	1.85	188	153	130	115	92.0	73.6	60.7	37.8	26.3	20.9	17.4	15.3	12.2	9.9	5.42	
	1.80	221	175	147	125	100	77.9	64.2	39.9	27.4	21.5	18.0	15.9	12.4	10.1	5.67	
	1.75	244	196	159	135	105	80.4	66.3	40.9	27.9	21.9	18.3	16.2	12.7	10.3	5.77	
	1.70	261	213	169	144	108	81.8	67.4	41.5	28.2	22.1	18.5	16.4	12.7	10.4	5.83	
	1.67	272	221	173	146	110	82.3	67.9	41.8	28.4	22.2	18.6	16.5	12.8	10.5	5.85	
	1.60	284	234	181	150	111	83.3	68.8	42.2	28.7	22.4	18.7	16.5	12.9	10.5	5.89	

Constant Power Discharge Rate (Watt/Cell, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFMZ-100	1.85	380	311	275	236	180	138	114	69.8	51.9	40.6	34.0	29.8	24.1	20.1	11.0	
	1.80	440	342	297	252	190	144	118	72.2	53.7	41.6	34.8	30.5	24.6	20.4	11.2	
	1.75	470	367	311	263	199	149	121	74.2	54.7	42.5	35.4	31.0	24.9	20.6	11.3	
	1.70	496	383	323	273	206	152	124	75.8	55.8	43.1	35.9	31.4	25.2	20.8	11.4	
	1.67	509	389	328	278	213	155	125	77.3	56.6	43.7	36.4	31.7	25.4	20.9	11.5	
	1.60	534	404	338	287	218	157	126	78.3	57.2	44.2	36.6	32.0	25.6	21.0	11.6	

Performance



Disclaimer: All data presented above are subject to change without further notice. Please contact ALLGRAND for latest updates.