

# 6-GFMZ-55

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

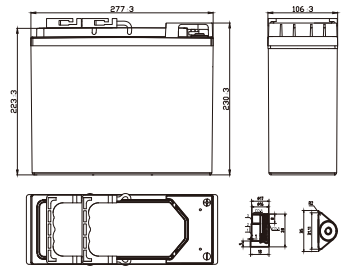
## Highlights

- 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 : 277mm W : 106mm  
H : 223mm TH : 239mm

## Certifications



## Specifications

Model	6-GFMZ-55	
Design Life	10 years	
Nominal Capacity	20HR(2.97A,1.80V)	59.4Ah
	10HR(5.5A,1.80V)	55Ah
	3HR(14.85A,1.80V)	44.55Ah
	1HR(30.25A,1.80V)	30.25Ah
Internal Resistance	8.6mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.35V/Cell (-4mV/°C/Cell) Max. Charge Current:8.25 A	2.25V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

# 6-GFMZ-55

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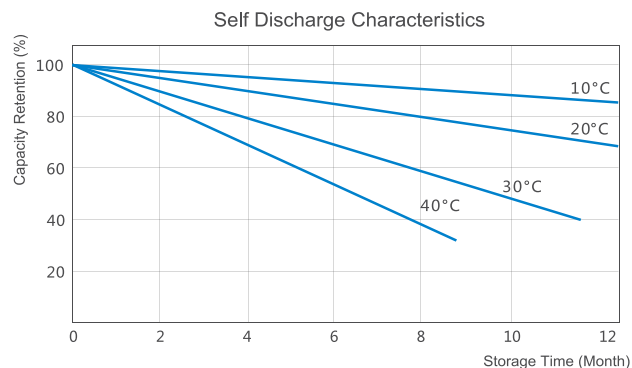
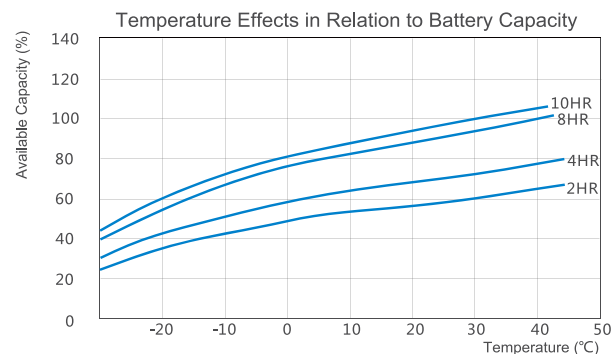
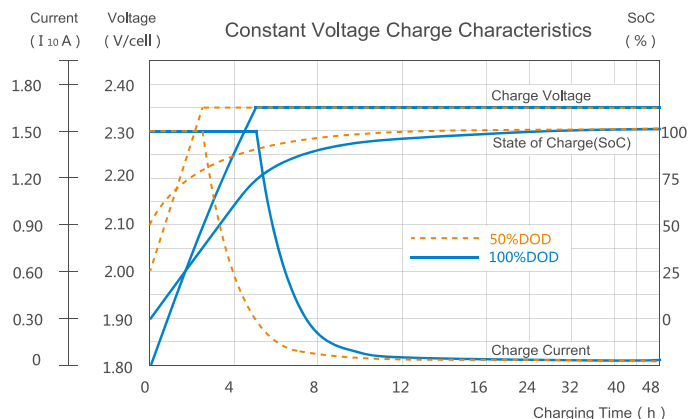
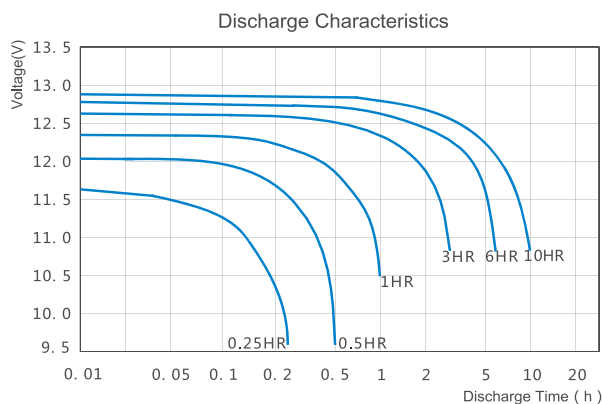
## Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFMZ-55	1.85	103	84.3	71.3	63.3	50.6	40.5	33.4	20.8	14.5	11.5	9.6	8.4	6.71	5.44	2.98	
	1.80	121	96.1	81.0	68.7	55.2	42.8	35.3	21.9	15.1	11.8	9.9	8.75	6.84	5.57	3.12	
	1.75	134	107.9	87.7	74.2	57.8	44.2	36.5	22.5	15.3	12.1	10.1	8.93	6.97	5.66	3.17	
	1.70	143	117.2	92.8	79.3	59.5	45.0	37.1	22.8	15.5	12.1	10.2	9.01	7.01	5.70	3.20	
	1.67	150	121.4	95.3	80.1	60.3	45.3	37.4	23.0	15.6	12.2	10.2	9.06	7.05	5.75	3.22	
	1.60	156	128.6	99.5	82.2	61.1	45.8	37.8	23.2	15.8	12.3	10.3	9.10	7.10	5.79	3.24	

## 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-55	1.85	209	171	151	130	99	76.0	62.9	38.4	28.6	22.3	18.7	16.4	13.2	11.0	6.04	
	1.80	242	188	163	138	105	79.0	64.7	39.7	29.5	22.9	19.1	16.8	13.5	11.2	6.16	
	1.75	259	202	171	145	109	82.1	66.6	40.8	30.1	23.4	19.5	17.0	13.7	11.3	6.21	
	1.70	273	211	178	150	114	83.7	68.3	41.7	30.7	23.7	19.7	17.3	13.9	11.4	6.27	
	1.67	280	214	180	153	117	85.4	68.9	42.5	31.1	24.1	20.0	17.4	14.0	11.5	6.33	
	1.60	294	222	186	158	120	86.4	69.4	43.0	31.4	24.3	20.1	17.6	14.1	11.5	6.39	

## Performance



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