

6-GFMZ-45

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

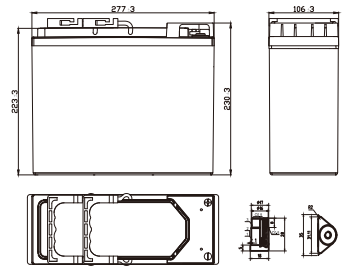
Highlights

- 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-45	
Design Life	10 years	
Nominal Capacity	20HR(2.43A,1.80V)	48.6Ah
	10HR(4.5A,1.80V)	45Ah
	3HR(12.15A,1.80V)	36.45Ah
	1HR(24.75A,1.80V)	24.75Ah
Internal Resistance	9.2mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.35V/Cell (-4mV/°C/Cell) Max. Charge Current:6.75A	2.25V/Cell (-3mV/°C/Cell))

Note: Data contained herein are measured at 25°C

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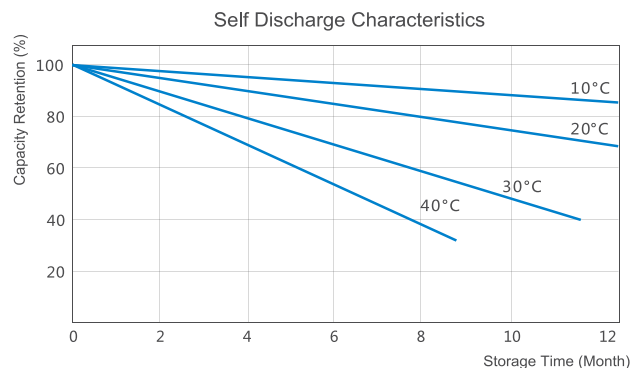
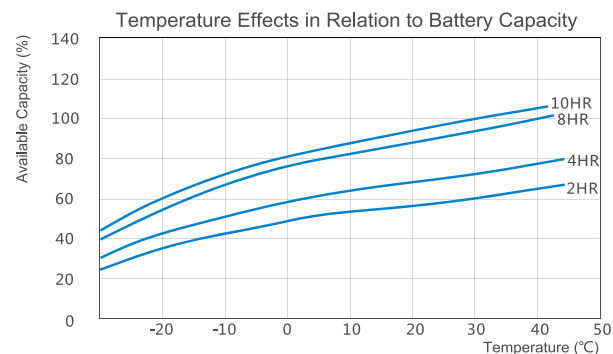
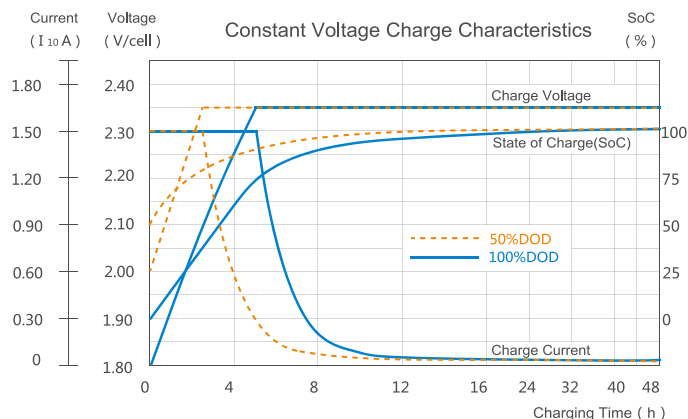
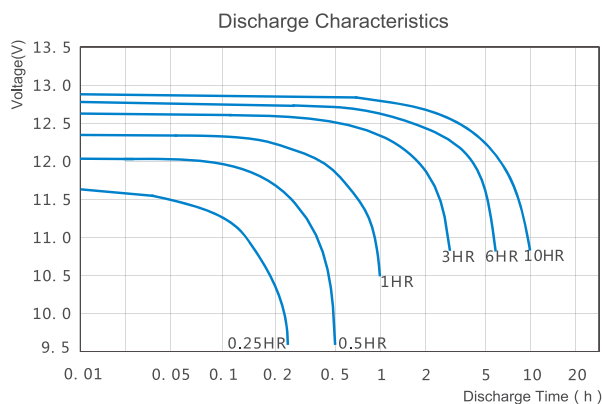
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFMZ-45	1.85	84.5	69.0	58.3	51.8	41.4	33.1	27.3	17.0	11.8	9.38	7.83	6.88	5.49	4.45	2.44	
	1.80	99.4	78.7	66.2	56.2	45.2	35.1	28.9	17.9	12.3	9.69	8.11	7.16	5.59	4.56	2.55	
	1.75	110	88.3	71.8	60.7	47.3	36.2	29.8	18.4	12.6	9.87	8.25	7.30	5.70	4.63	2.59	
	1.70	117	95.9	75.9	64.9	48.6	36.8	30.3	18.7	12.7	9.94	8.31	7.37	5.74	4.67	2.62	
	1.67	122	99.4	78.0	65.6	49.3	37.1	30.6	18.8	12.8	10.0	8.35	7.41	5.77	4.70	2.63	
	1.60	128	105	81.4	67.3	50.0	37.5	30.9	19.0	12.9	10.1	8.42	7.45	5.81	4.74	2.65	

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-45	1.85	171	140	124	106	81.2	62.2	51.5	31.4	23.4	18.3	15.3	13.4	10.8	9.03	4.94	
	1.80	198	154	134	113	85.6	64.7	53.0	32.5	24.2	18.7	15.7	13.7	11.1	9.16	5.04	
	1.75	212	165	140	118	89.5	67.2	54.5	33.4	24.6	19.1	15.9	13.9	11.2	9.26	5.08	
	1.70	223	172	146	123	92.9	68.5	55.9	34.1	25.1	19.4	16.1	14.1	11.3	9.35	5.13	
	1.67	229	175	147	125	95.8	69.8	56.4	34.8	25.5	19.7	16.4	14.3	11.4	9.39	5.18	
	1.60	240	182	152	129	98.2	70.7	56.8	35.2	25.7	19.9	16.5	14.4	11.5	9.44	5.23	

Performance



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