

6-GFMZ-180

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

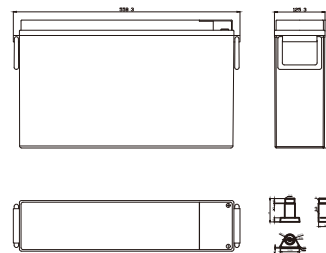
Highlights

- 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 : 558mm W : 110mm
H : 316mm TH : 316mm

Certifications



Specifications

Model	6-GFMZ-180	
Design Life	10 years	
Nominal Capacity	20HR(9.72A,1.80V)	194.4Ah
	10HR(18A,1.80V)	180Ah
	3HR(48.6A,1.80V)	145.8Ah
	1HR(99A,1.80V)	99Ah
Internal Resistance	4.2mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.35V/Cell (-4mV/°C/Cell) Max. Charge Current:27A	2.25V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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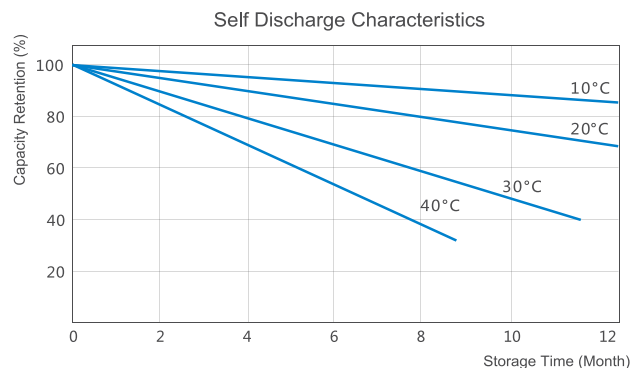
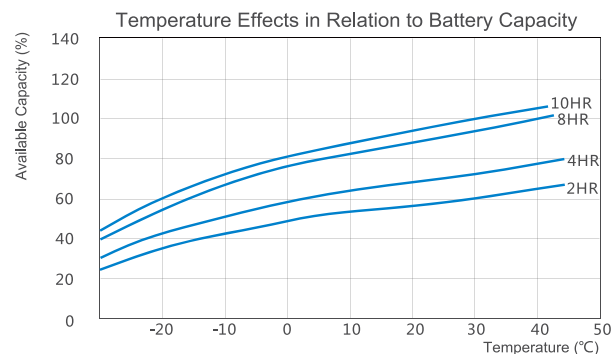
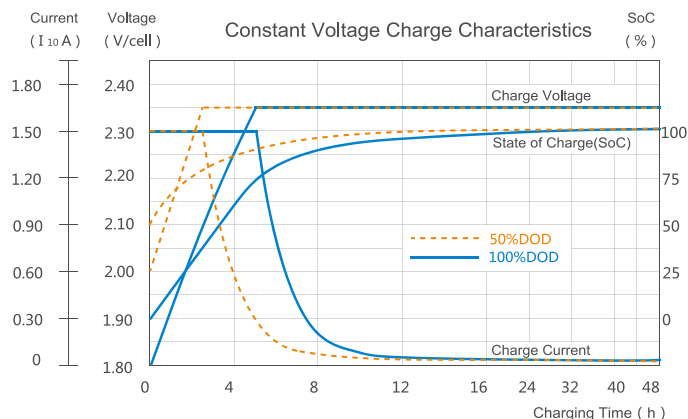
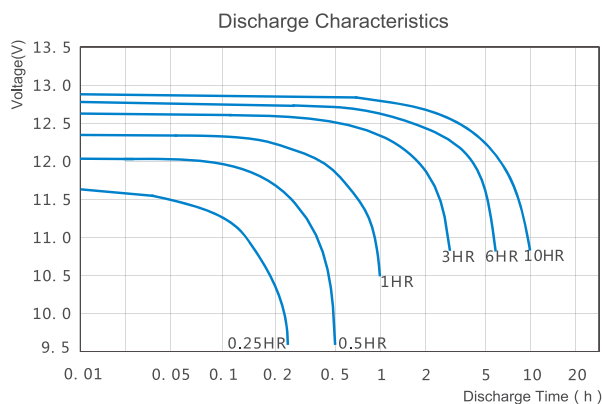
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour								
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20
6-GFMZ-180	1.85	338	276	233	207	166	132	109	68.0	47.3	37.5	31.3	27.5	21.9	17.8	9.8
	1.80	397	315	265	225	181	140	116	71.8	49.3	38.8	32.4	28.6	22.4	18.2	10.2
	1.75	439	353	287	243	189	145	119	73.6	50.2	39.5	33.0	29.2	22.8	18.5	10.4
	1.70	469	384	304	259	195	147	121	74.7	50.8	39.7	33.3	29.5	22.9	18.7	10.5
	1.67	490	397	312	262	197	148	122	75.2	51.1	40.0	33.4	29.6	23.1	18.8	10.5
	1.60	511	421	326	269	200	150	124	75.9	51.6	40.3	33.7	29.8	23.2	19.0	10.6

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-180	1.85	683	560	495	424	325	249	206	126	93.5	73.0	61.2	53.7	43.3	36.1	19.8
	1.80	792	616	534	453	342	259	212	130	96.6	74.9	62.7	54.8	44.3	36.7	20.1
	1.75	847	661	559	474	358	269	218	134	98	76.5	63.8	55.8	44.8	37.0	20.3
	1.70	894	689	582	491	372	274	224	137	100	77.6	64.6	56.5	45.4	37.4	20.5
	1.67	917	701	590	501	383	279	226	139	102	78.7	65.5	57.1	45.8	37.6	20.7
	1.60	962	726	609	516	393	283	227	141	103	79.5	65.9	57.6	46.1	37.8	20.9

Performance



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