



Applications

- Data/Computing Center, UPS, EPS
- Signaling Systems of Railway, Airport, and etc.
- Medical Equipment, Emergency Lights
- Beacon, Vessel
- Security, Automatic Control, Electronics

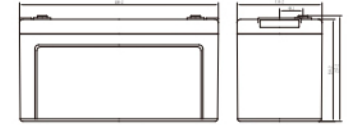
Highlights

- Long life design(up to 8 years)
- Reliably sealed
- High specific energy, low IR & self discharge
- Higher reaction efficiency and conformity

Features

- Float charging life prolonged by our proprietary corrosion resistant alloy;
- High-purity electrolytes and special agents reduce water loss;
- Impacts from earthquakes are reduced by compact seismic ABS jars and covers;
- Delicate seal technologies protect the battery from electrolyte leakage and creepage;
- The delicate construction of self-relief valves can avoid bulges and cracks.

Dimensions



L : 408mm
W : 175mm
H : 210mm
TH : 217mm

Certifications



Specifications

Model	6-GFM-120	
Design Life	8 years	
Nominal Capacity	20HR(6.48A,1.80V)	129.6Ah
	10HR(12A,1.80V)	120Ah
	3HR(32.4A,1.80V)	97.2Ah
	1HR(66A,1.80V)	66Ah
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:18A	2.25V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

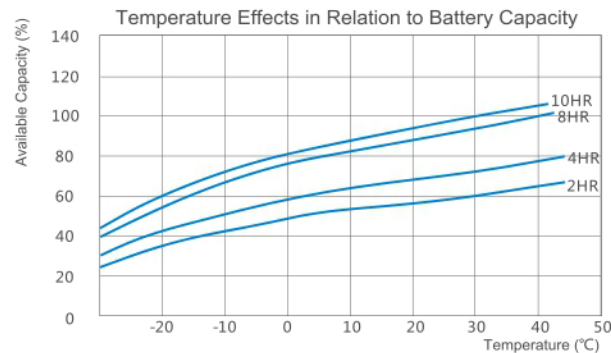
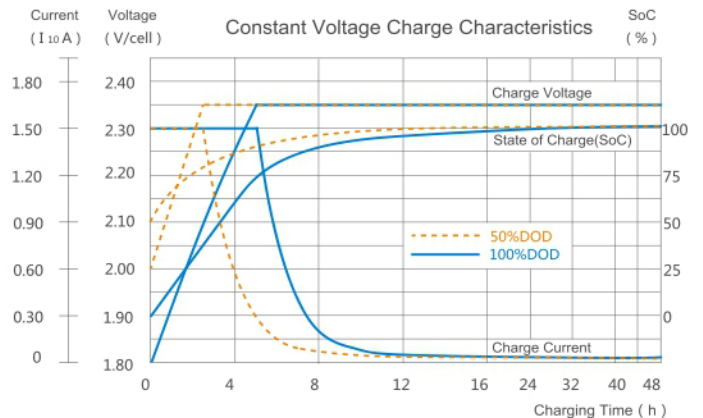
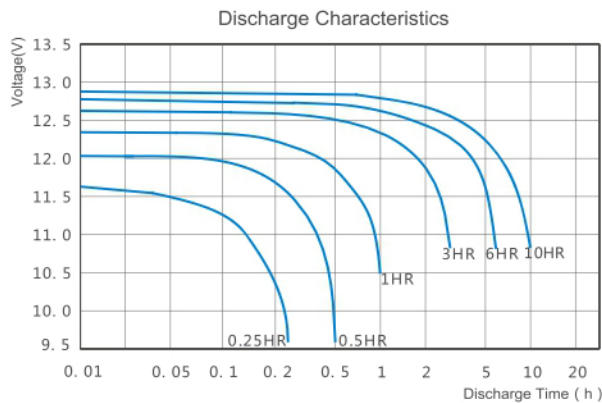
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFM-120	1.85	233	190	159	136	107	76.8	65.4	40.1	29.7	24.0	20.3	17.8	14.3	11.9	6.31	
	1.80	274	216	177	153	114	80.0	67.3	41.0	30.6	24.6	20.8	18.2	14.6	12.2	6.43	
	1.75	302	227	185	160	119	83.3	69.7	42.2	31.2	25.0	21.2	18.5	14.8	12.3	6.52	
	1.70	323	242	196	171	125	86.4	71.9	43.2	31.8	25.5	21.6	18.9	15.1	12.4	6.60	
	1.67	337	254	209	179	129	89.0	73.7	44.1	32.4	26.1	22.1	19.3	15.3	12.5	6.67	
	1.60	352	269	219	185	134	91.3	76.6	44.8	33.2	26.6	22.6	19.6	15.5	12.6	6.72	

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-GFM-120	1.85	434	348	301	266	200	146	127	80.8	62.1	49.0	41.5	36.6	29.7	24.2	13.2	
	1.80	500	383	325	283	213	152	129	83.7	64.3	50.3	42.5	37.4	30.3	24.5	13.4	
	1.75	530	402	339	293	220	158	134	85.5	65.3	51.3	43.2	38.0	30.7	24.9	13.6	
	1.70	555	423	352	306	228	162	138	86.9	66.6	52.2	43.3	38.5	31.2	25.3	13.8	
	1.67	567	446	366	317	236	167	140	88.6	68.0	53.1	43.4	39.0	31.6	25.7	14.0	
	1.60	602	467	385	329	245	172	142	90.3	69.2	53.3	43.6	39.7	31.8	25.8	14.3	

Performance



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