

Model: 6-FM-120

GP SERIES

General Features

- Better discharge characteristic than normal VRLA batteries.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Application

- Electric Powered Vehicles.

Golf Cars and Buggies.

Wheel chairs.

Power tools.
- Electric Powered Toys.

Control System.

Vacuum Cleaners.

Medical Equipments.



General Characteristics

Battery Model	6-FM-120			
Designed Cycle life	8Years			
Capacity(25°C)	20HR(6.05A,1.75V)	10HR(12A,1.75V)	5HR(18A,1.75V)	1HR(69A,1.75V)
	121AH	120AH	90AH	69AH
Dimensions	Length	Width	Height	Total Height
	406mm(15.98inch)	174mm(6.85inch)	208mm(8.19inch)	233mm(9.17inch)
Approx. Weight	38Kg (83.8 lbs)			
Internal resistance	Full charged at25°C :0.0045 Ohm			
Self discharge	3% of capacity declined per month at 25°C			
Capacity affected by temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/°C),max. Current: 30A		13.6-13.8(-20mV/°C)	

Constant current discharge ratings-amperes at (25°C)

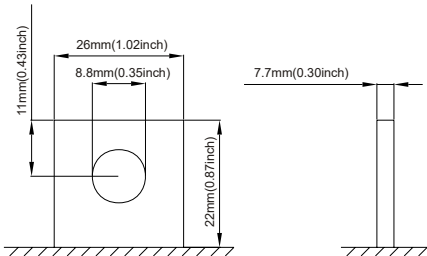
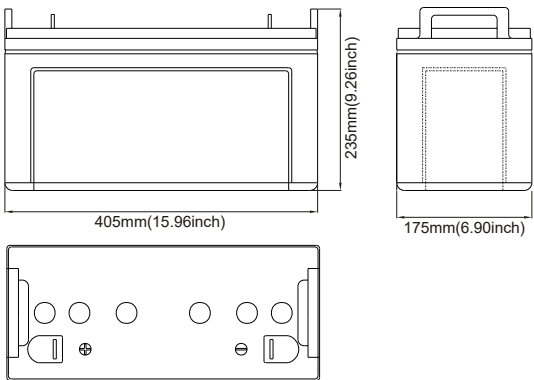
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	420	288	210	126	79.2	32.8	22.9	12.7	6.32
1.67V	378	263	204	122	79.1	32.6	22.7	12.5	6.30
1.70V	359	253	197	120	78.8	32.6	22.7	12.4	6.30
1.75V	319	234	186	118	78.0	32.4	22.5	12.2	6.27
1.80V	288	217	178	114	77.0	32.3	22.3	12.0	6.05
1.85V	218	179	154	105	76.2	32.2	22.2	11.8	5.69

Constant power discharge ratings-watts at (25°C)

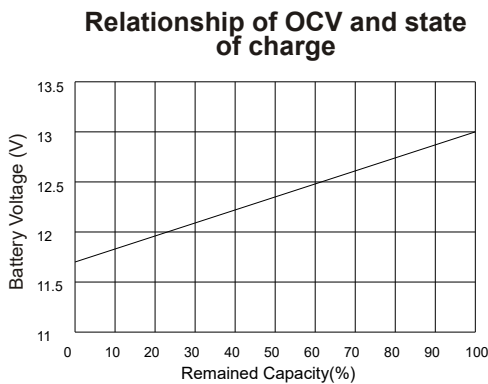
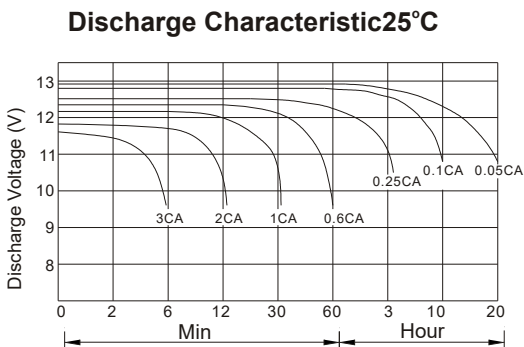
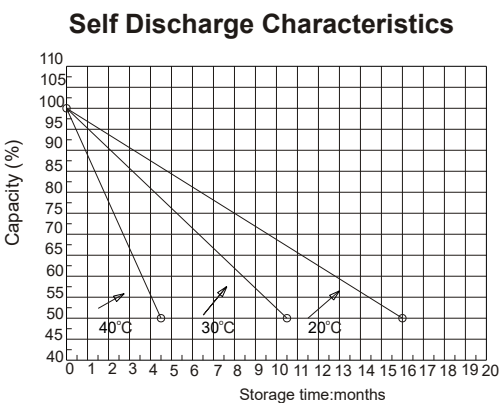
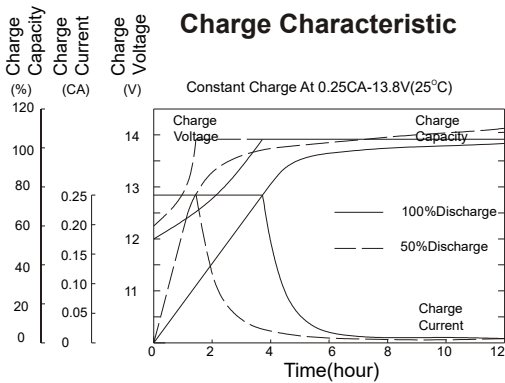
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	692	478	372	238	156	62.9	43.8	25.5	12.6
1.67V	656	472	368	233	151	62.9	43.8	25.1	12.6
1.70V	613	460	362	227	147	62.9	43.8	24.9	12.6
1.75V	571	430	341	221	146	61.9	43.3	24.4	12.5
1.80V	512	400	320	215	143	61.1	42.6	24.0	12.1
1.85V	410	331	280	197	142	60.8	42.0	23.6	11.4

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Terminal Dimensions



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