

## Model: 6-FM-7.5

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.      Electric Powered Toys.
- Golf Cars and Buggies.          Control System.
- Wheel chairs.                      Vacuum Cleaners.
- Power tools.                        Medical Equipments.



### General Characteristics

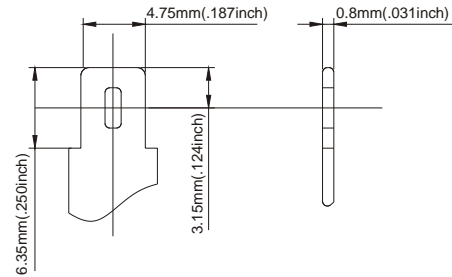
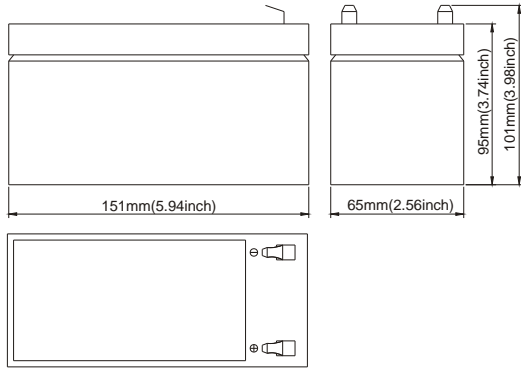
Battery Model	6-FM-7.5			
Designed Cycle life	5Years			
Capacity(25°C)	20HR(0.375A1.75V)	10HR(0.67A,1.75V)	5HR(1.15A,1.75V)	1HR(4.8A,1.75V)
	7.5AH	6.7AH	5.75AH	4.8AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	65mm(2.56inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	2.55Kg (5.63 lbs)			
Internal resistance	Full charged at 25°C :0.02Ohm			
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),maxCurrent: 2.25A			13.6-13.8(-20mV/°C)

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

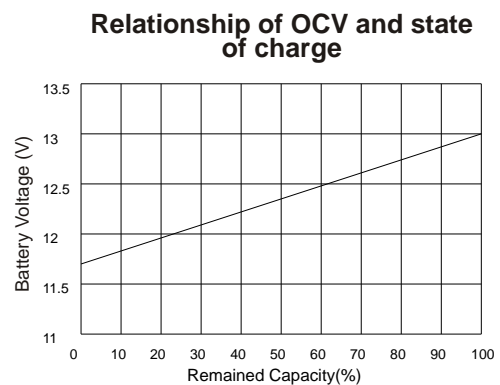
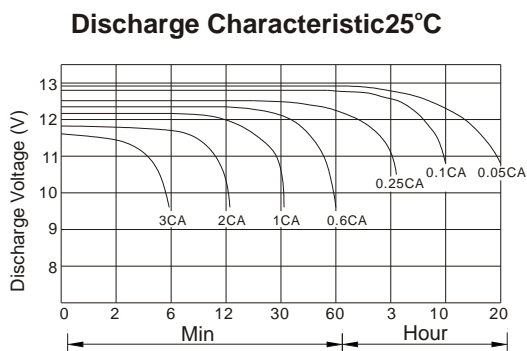
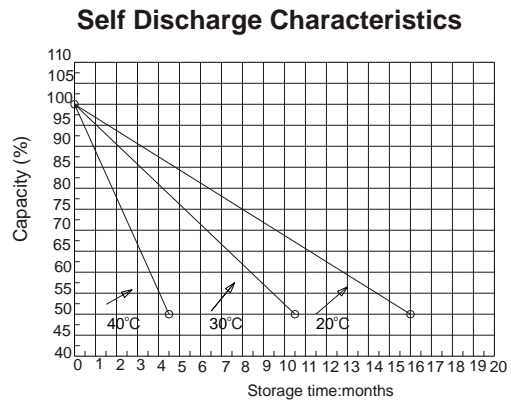
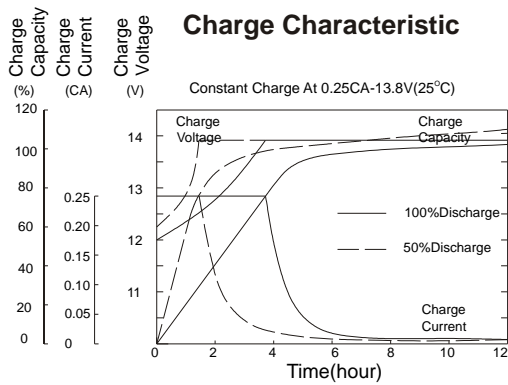
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	29.3	18.2	13.8	8.39	5.33	2.34	1.43	0.80	0.42
1.67V	27.5	17.3	13.2	8.02	5.26	2.25	1.40	0.79	0.41
1.70V	25.2	16.7	12.9	7.29	5.10	2.10	1.37	0.79	0.40
1.75V	24.7	16.1	12.5	6.93	4.86	2.03	1.34	0.78	0.39
1.80V	22.1	15.4	11.4	6.42	4.55	1.95	1.26	0.77	0.38
1.85V	19.5	14.7	10.2	5.91	4.24	1.88	1.18	0.76	0.37

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	51.4	32.9	25.1	15.1	9.62	4.15	2.42	1.60	0.84
1.67V	49.6	32.1	24.8	14.8	9.56	4.02	2.41	1.59	0.81
1.70V	46.7	31.8	24.6	13.9	9.38	3.84	2.38	1.58	0.80
1.75V	47.0	31.7	24.4	13.4	9.22	3.75	2.35	1.56	0.78
1.80V	43.0	31.2	22.6	12.8	8.69	3.64	2.28	1.54	0.76
1.85V	39.0	29.6	20.5	12.0	8.17	3.53	2.21	1.52	0.73



**Terminal Dimensions**



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