

Model: 6-FM-55

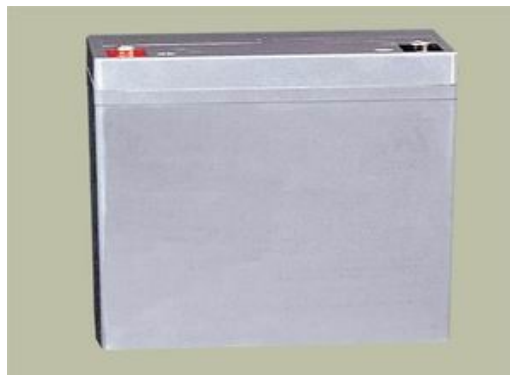
GP SERIES

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-55			
Designed Cycle life	8Years			
Capacity(25°C)	20HR(2.77A,1.75V)	10HR(5.5A,1.75V)	5HR(8.8A,1.75V)	1HR(33A,1.75V)
	55.4AH	55AH	44AH	33AH
Dimensions	Length	Width	Height	Total Height
	230mm(9.04inch)	138mm(5.44inch)	206mm(8.12inch)	210mm(8.27inch)
Approx. Weight	17Kg (37.5 lbs)			
Internal resistance	Full charged at 25°C :0.0058 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: 14A			13.6-13.8(-20mV/°C)

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

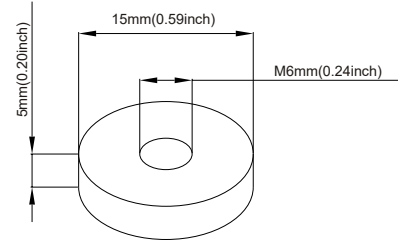
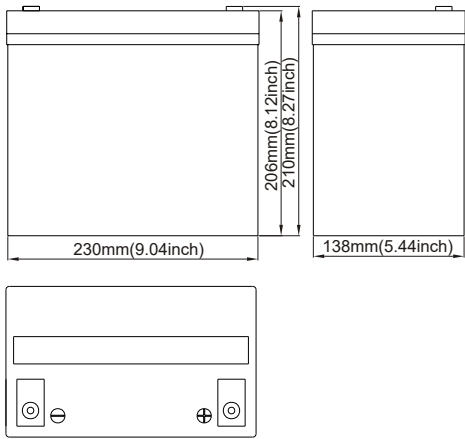
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	193	132	96.3	57.8	36.3	15.0	10.5	5.83	2.90
1.67V	173	120	93.5	56.1	36.2	15.0	10.4	5.74	2.89
1.70V	164	116	90.2	55.0	36.1	15.0	10.4	5.70	2.89
1.75V	146	107	85.3	53.9	35.8	14.9	10.3	5.60	2.88
1.80V	132	100	81.4	52.3	35.3	14.8	10.2	5.50	2.77
1.85V	100	82.0	70.4	48.1	34.9	14.7	10.2	5.41	2.61

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

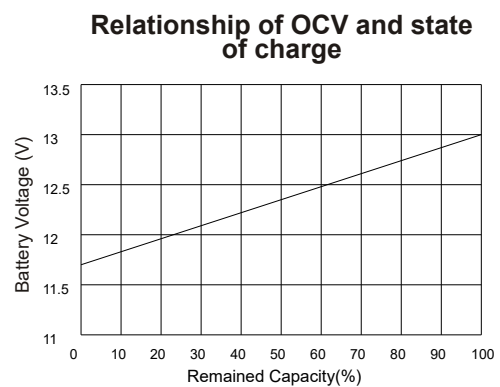
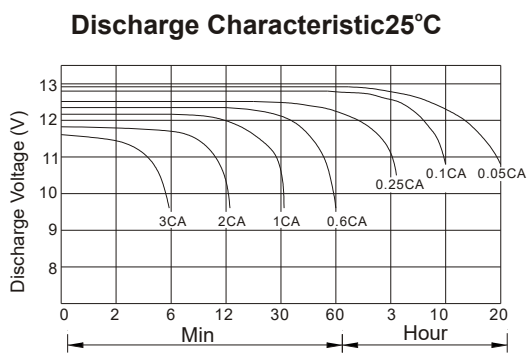
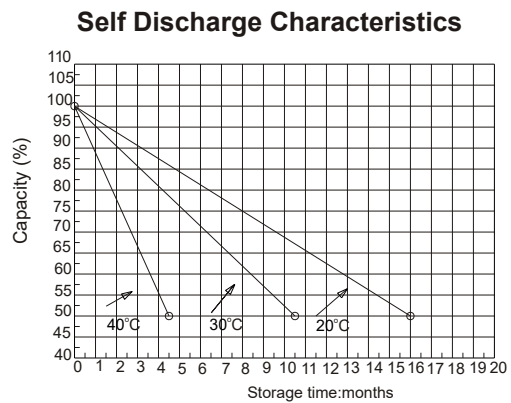
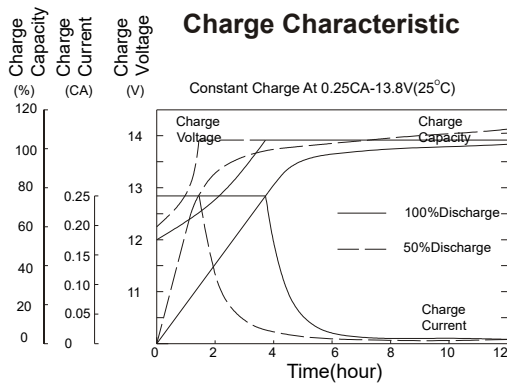
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	317	219	171	109	71.5	28.8	20.1	11.7	5.80
1.67V	301	216	169	107	69.1	28.8	20.1	11.5	5.78
1.70V	281	211	166	104	67.3	28.8	20.1	11.4	5.78
1.75V	262	197	156	101	66.7	28.4	19.9	11.2	5.75
1.80V	235	183	147	98.5	65.6	28.0	19.5	11.0	5.55
1.85V	188	152	128	90.2	65.0	27.9	19.3	10.8	5.21

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Terminal Dimensions



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