

Model: 6-FM-55

GP SERIES

GP Series

GP Series batteries utilizes thick grids of modern technology are adopted so as to guarantee the design life up to 12 years. Advanced micro porous absorbed glass matt separator - minimizes diffusion of oxygen into the separator, reducing float charge current which suppressed the corrosion rate of the positive grid and extends the life of the battery.



Application

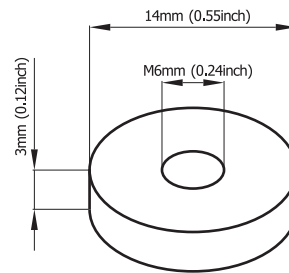
- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System
- Power Plant

General Features

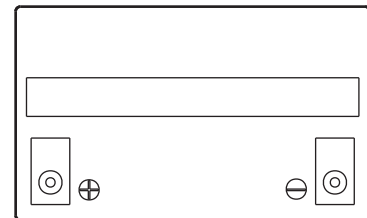
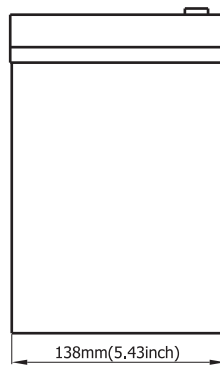
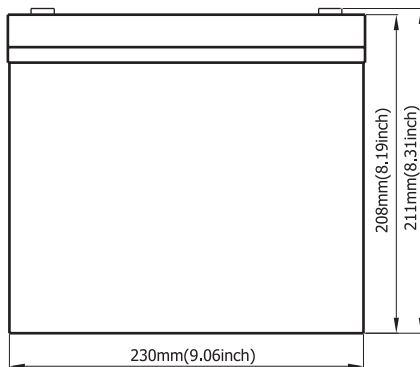
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Construction

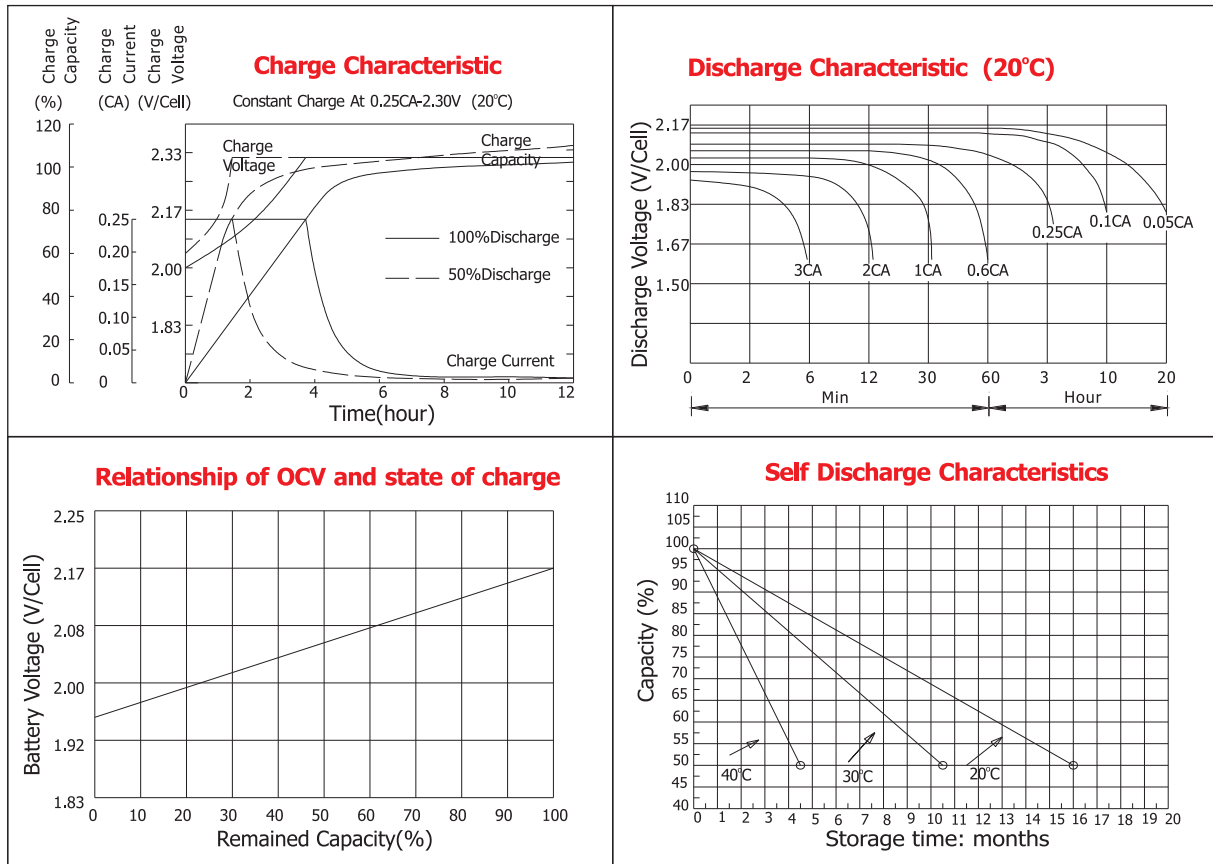
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalPb Alloy
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	6-FM-55			
Designed Floating Life	12 Years			
Capacity(20°C)	20HR(2.9A,1.80V)	10HR(5.5A,1.80V)	5HR(9.4A,1.75V)	1HR(36.3A,1.60V)
	58AH	55AH	47AH	36AH
Dimensions	Length	Width	Height	Total Height
	230mm(9.06inch)	138mm(5.43inch)	208mm(8.19inch)	211mm(8.31inch)
Approx. Weight	17Kg (37.5 lbs)			
Internal Resistance	Full charged at 20°C: 0.0058 Ohm			
Self Discharge	< 3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(20HR)	40°C	20°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/ °C), max. Current: 13.75A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 20°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	9.55	5.83	3.04
1.67V	173	120	93.5	56.1	36.2	15.0	9.47	5.74	3.03
1.70V	164	116	90.2	55.0	36.1	15.0	9.47	5.70	3.03
1.75V	146	107	85.3	53.9	35.8	14.9	9.39	5.60	3.02
1.80V	132	100	81.4	52.3	35.3	14.8	9.32	5.50	2.91
1.85V	100	82.0	70.4	48.1	34.9	14.7	9.24	5.41	2.74

Constant power discharge ratings-watts at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	317	219	171	109	71.5	28.8	18.3	11.7	6.09
1.67V	301	216	169	107	69.1	28.8	18.3	11.5	6.06
1.70V	281	211	166	104	67.3	28.8	18.3	11.4	6.06
1.75V	262	197	156	101	66.7	28.4	18.1	11.2	6.04
1.80V	235	183	147	98.5	65.6	28.0	17.8	11.0	5.82
1.85V	188	152	128	90.2	65.0	27.9	17.5	10.8	5.48

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