

Model: 6-FM-18

GP SERIES

General Series

General Series Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the field of UPS, Emergency Lighting System.

Application

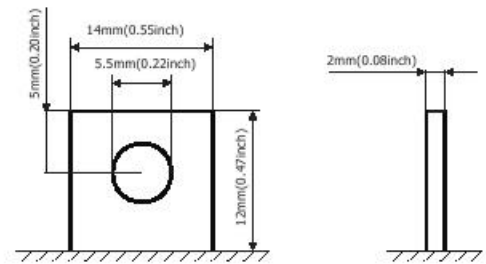
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- UPS
- Power tools
- Emergency Power System
- Toys

General Features

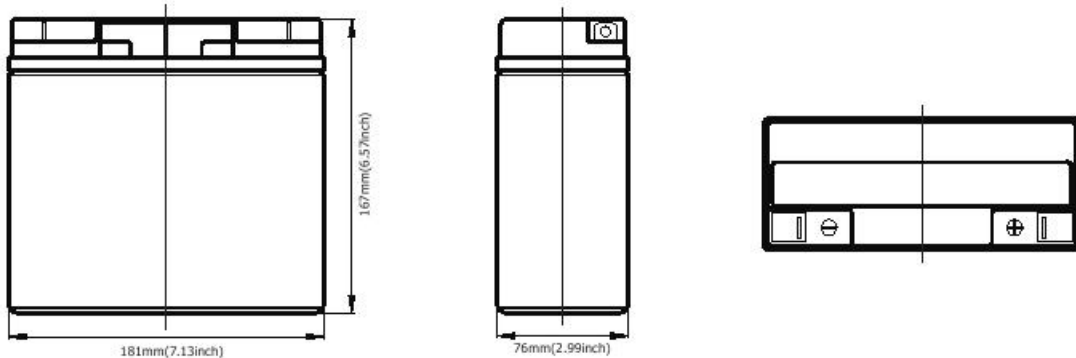
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

Construction

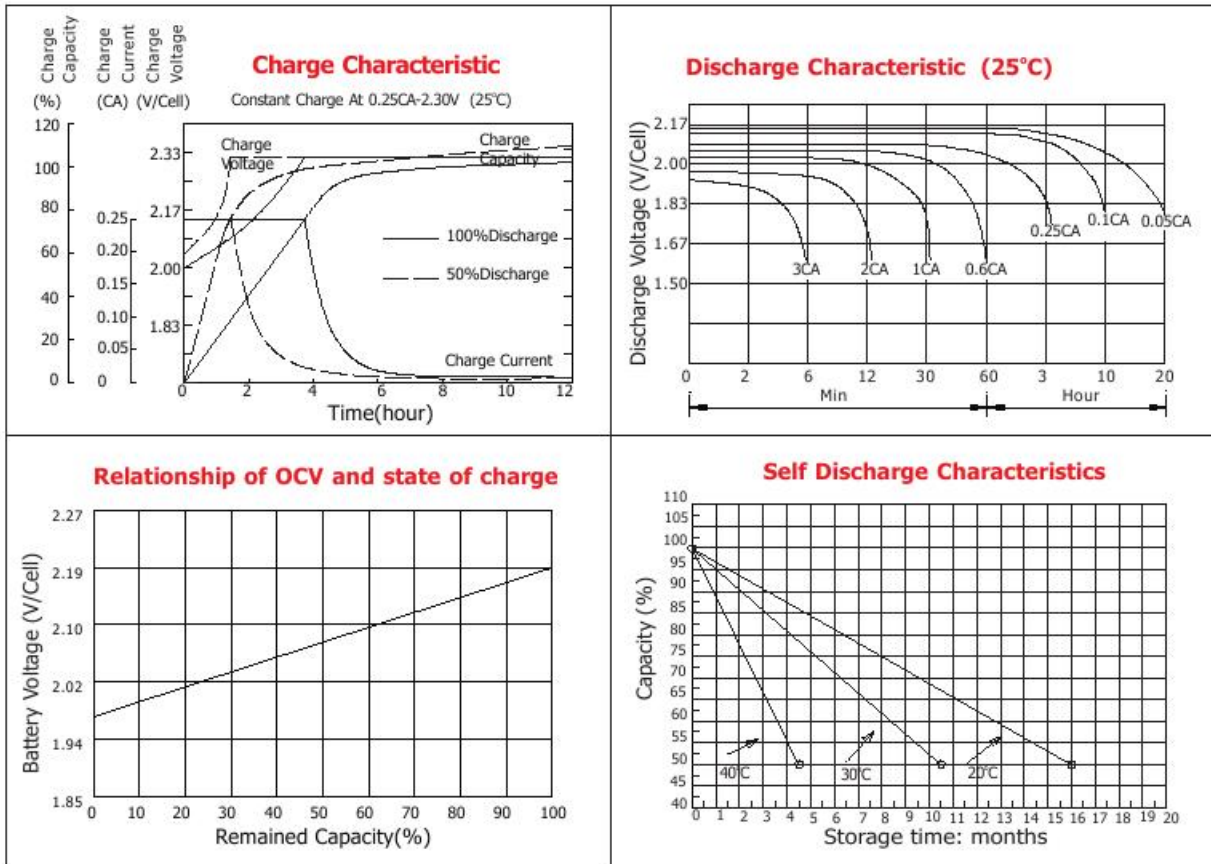
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	6-FM-18			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.90A,1.80V)	10HR(1.66A,1.80V)	5HR(3.22A,1.75V)	1HR(12.8A,1.60V)
	18.0AH	16.6AH	16.1AH	12.8AH
Dimensions	Length	Width	Height	Total Height
	181mm(7.13inch)	76mm(2.99inch)	167mm(6.57inch)	167mm(6.57inch)
Approx. Weight	5.25Kg (11.6 lbs)			
Internal Resistance	Full charged at 25°C: 0.012 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	
	14.4-15V(-30mV/ °C), max. Current: 5.4A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	77.4	51.2	38.0	23.1	12.8	5.62	3.43	1.73	1.01
1.67V	72.6	48.6	36.5	22.1	12.6	5.40	3.36	1.71	0.97
1.70V	66.5	46.8	35.7	20.1	12.2	5.04	3.29	1.70	0.96
1.75V	65.2	45.3	34.5	19.1	11.7	4.87	3.22	1.68	0.93
1.80V	58.3	43.3	31.3	17.7	10.9	4.68	3.02	1.66	0.91
1.85V	51.5	41.2	28.2	16.3	10.2	4.51	2.83	1.64	0.88

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	136	92.4	69.3	41.7	23.1	9.96	6.34	3.46	2.02
1.67V	131	90.1	68.4	40.8	22.9	9.65	6.31	3.43	1.94
1.70V	123	89.2	67.9	38.2	22.5	9.22	6.23	3.41	1.92
1.75V	124	88.9	67.3	37.1	22.1	9.00	6.17	3.37	1.87
1.80V	114	86.3	62.4	35.4	20.9	8.74	5.98	3.33	1.82
1.85V	103	82.1	56.6	32.6	19.6	8.47	5.61	3.28	1.75

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