

Model: 6-FM-18

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-18			
Designed Cycle life	5Years			
Capacity(25°C)	20HR(0.9A, 1.75V)	10HR(1.6A, 1.75V)	5HR(3A, 1.75V)	1HR(12A, 1.75V)
	18AH	16AH	15AH	12AH
Dimensions	Length	Width	Height	Total Height
	181mm(7.13inch)	77mm(3.03inch)	167mm(6.57inch)	167mm(6.57inch)
Approx. Weight	5.7Kg (12.6 lbs)			
Internal resistance	Full charged at 25°C :0.016Ohm			
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: 5.4A		13.6-13.8(-20mV/°C)	

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

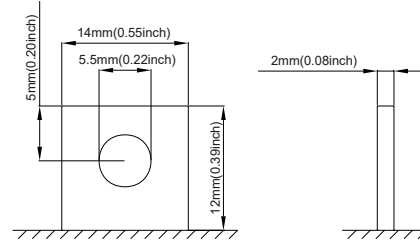
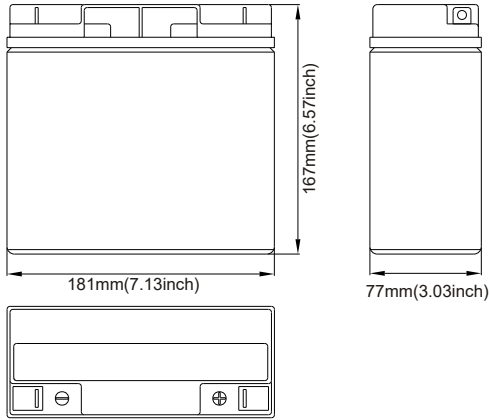
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	70.3	43.8	33.0	20.1	12.8	5.62	3.43	1.92	1.01
1.67V	66.0	41.5	31.8	19.3	12.6	5.40	3.36	1.90	0.97
1.70V	60.5	40.0	31.0	17.5	12.2	5.04	3.29	1.89	0.96
1.75V	59.3	38.8	30.0	16.6	11.7	4.87	3.22	1.87	0.93
1.80V	53.0	37.0	27.3	15.4	10.9	4.68	3.02	1.84	0.91
1.85V	46.8	35.3	24.5	14.2	10.2	4.51	2.83	1.82	0.88

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

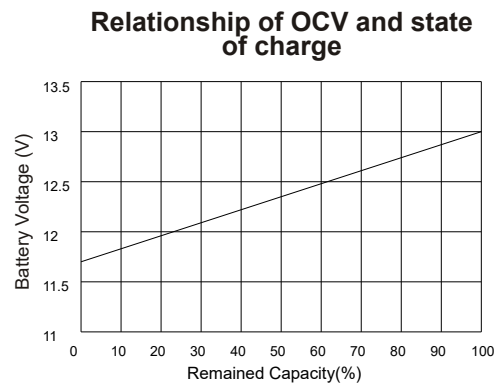
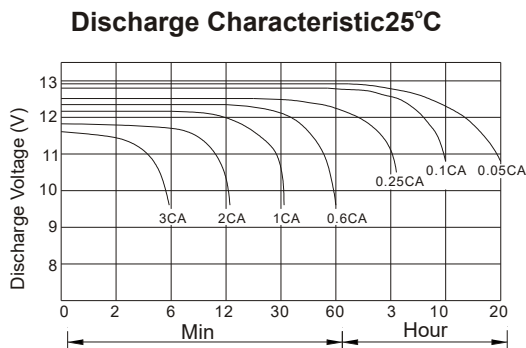
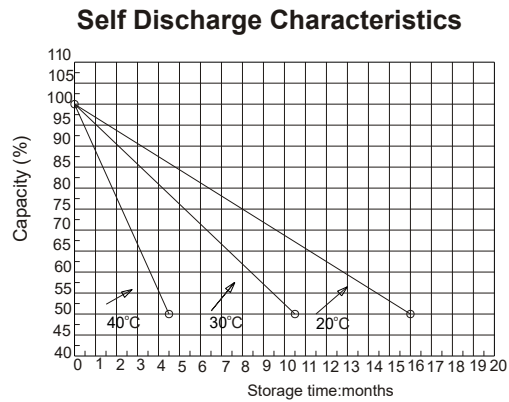
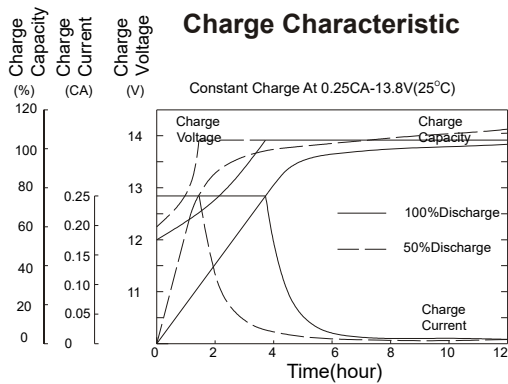
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	123	79.0	60.3	36.3	23.1	9.96	5.80	3.84	2.02
1.67V	119	77.0	59.5	35.5	22.9	9.65	5.78	3.82	1.94
1.70V	112	76.3	59.0	33.3	22.5	9.22	5.70	3.79	1.92
1.75V	113	76.0	58.5	32.3	22.1	9.00	5.65	3.74	1.87
1.80V	103	74.9	54.3	30.8	20.9	8.74	5.48	3.70	1.82
1.85V	93.6	71.0	49.2	28.8	19.6	8.47	5.30	3.65	1.75

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Terminal Dimensions



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