

Front Terminal Battery

6FM105F/12Volt 105Ah

Front Terminal Series Batteries are specially designed for telecom use with 12+ years design life in float service. By adopting a new AGM separator and centralised venting system, the battery can be installed in any position while maintaining high reliability.



General Features

- Heavy Duty Grid
- Mechanized assembly
- Non-spillable construction
- High Reliability and Stability
- Sealed and Maintenance-free
- Long Life and low self-discharge design

Construction

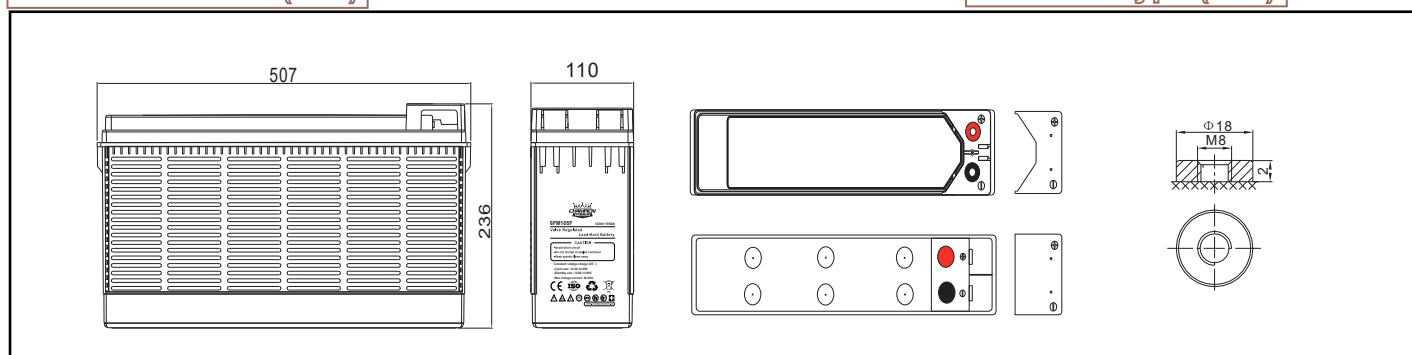
- Negative.....Lead
- Terminal.....Copper
- Positive.....Lead dioxide
- Electrolyte.....Sulfuric acid
- Separator.....Fiber glass
- Safety Valve.....EPDR
- Container.....ABS(UL94-HB) / (UL94-V0)

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10Hour rate)		105Ah	
	Cells Per battery		6	
Dimension	Length	Width	Height	Total Height
	507mm	110mm	223mm	238mm
Approx Weight	30.00Kg			
Internal Resistance	Full charged at 25°C(77°F): Approx 5.5mΩ			
Max.discharge current	840A(5s)			
Floating design life @ 25°C (77°F)	12 years			
Capacity @ 25°C (77°F)	10Hour rate(10.5A/10.8V)	5Hour rate(17.85A/10.5V)	3Hour rate(26.25A/10.5V)	1Hour rate(57.75A/10.5V)
	105Ah	80Ah	63Ah	40Ah
Capacity affected by Temp(10 HR)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C(5°F)
	102%	100%	85%	65%
Self Discharge @ 25°C (77°F)	After 3 months storage		After 12 months storage	
	93%		65%	
Charge method @ 25°C (77°F)	Cycle Use		14.50-14.90V (Initial charging current less than 31.50A)	
	Float Use		13.60-13.80V	

Outer dimension (mm)

Terminal Type (mm)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C (77°F)

F.V / TIME		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	378.00	231.00	183.75	120.75	63.53	36.75	27.30	22.05	18.42	12.16	11.55	5.99
	W	4006.80	2453.22	1966.13	1304.10	692.42	400.58	300.30	242.55	202.61	135.00	128.21	67.33
10.20V	A	346.50	221.55	168.87	114.63	63.00	35.26	26.78	21.00	18.07	11.97	11.03	5.88
	W	3776.85	2459.21	1882.96	1289.53	708.75	398.47	302.56	238.35	205.08	135.86	125.13	66.74
10.50V	A	321.34	211.74	157.50	111.12	60.90	34.56	26.25	19.95	17.85	11.81	10.82	5.81
	W	3534.78	2382.11	1779.75	1266.82	694.26	395.74	300.56	229.43	205.28	135.84	124.37	66.77
10.80V	A	292.60	209.92	147.00	106.05	59.85	33.69	25.73	19.60	17.06	11.51	10.50	5.73
	W	3218.60	2393.04	1683.15	1224.88	691.27	389.09	298.41	228.34	198.78	134.05	122.33	66.79
11.10V	A	253.05	199.50	136.50	98.70	57.75	32.81	24.68	19.25	16.32	11.20	10.24	5.67
	W	2859.47	2304.23	1583.40	1154.79	675.68	383.91	289.93	227.15	192.56	132.16	120.80	66.91

