

Front Terminal Battery

6FM75F/12Volt 75Ah

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

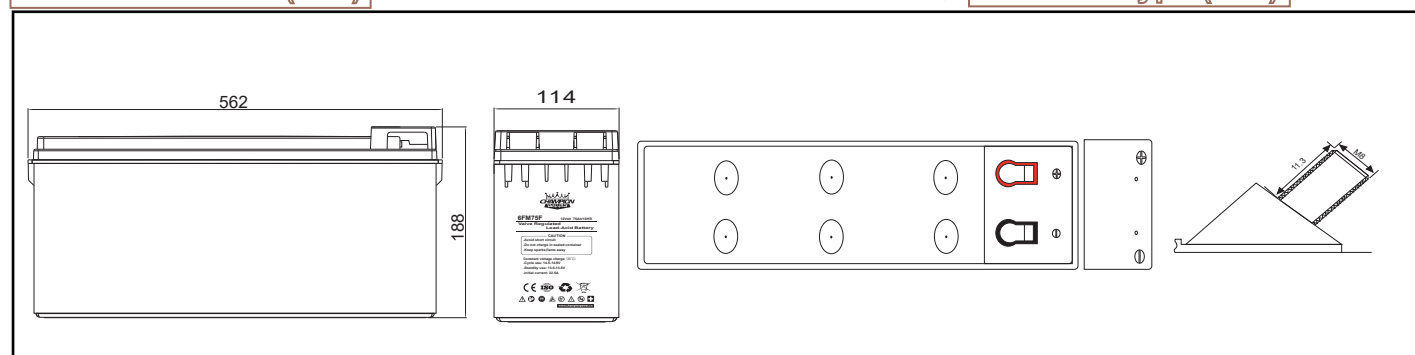
- Negative.....Lead
- Terminal.....Copper
- Positive.....Lead dioxide
- Electrolyte.....Sulfuric acid
- Separator.....Fiber glass
- Safety Valve.....EPDR
- Container.....ABS(UL94-HB) / (UL94-V0)

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10Hour rate)		75Ah	
	Cells Per battery		6	
Dimension	Length	Width	Height	Total Height
	562mm	114mm	188mm	188mm
Approx Weight	24.00Kg			
Internal Resistance	Full charged at 25°C (77°F): Approx 5.5mΩ			
Max. discharge current	600A(5s)			
Floating design life @ 25°C (77°F)	12 years			
Capacity @ 25°C (77°F)	10Hour rate(7.5A/10.8V)	5Hour rate(12.75A/10.5V)	3Hour rate(18.75A/10.5V)	1Hour rate(41.25A/10.5V)
	75Ah	57Ah	45Ah	29Ah
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 6 months storage	After 12 months storage	
	93%	84%	65%	
Charge method @ 25°C (77°F)	Cycle Use	14.50-14.90V (Initial charging current less than 22.5A)		
	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	270.00	165.00	131.25	86.25	45.00	26.25	19.50	15.75	13.16	8.69	8.25	4.28
	W	2862.00	1752.30	1404.38	931.50	490.50	286.13	214.50	173.25	144.72	96.43	91.58	48.09
10.20V	A	247.50	165.62	120.62	81.88	46.50	25.19	19.13	15.00	12.91	8.55	7.88	4.20
	W	2697.75	1838.44	1344.97	921.09	523.13	284.62	216.11	170.25	146.49	97.04	89.38	47.67
10.50V	A	229.53	158.25	112.50	79.37	45.00	24.69	18.75	14.25	12.75	8.44	7.73	4.15
	W	2524.84	1780.31	1271.25	904.87	513.00	282.67	214.69	163.88	146.63	97.03	88.84	47.70
10.80V	A	209.00	151.25	105.00	75.75	43.50	24.06	18.38	14.00	12.19	8.22	7.50	4.10
	W	2299.00	1724.25	1202.25	874.91	502.43	277.92	213.15	163.10	141.98	95.75	87.38	47.71
11.10V	A	180.75	142.50	97.50	70.50	41.25	23.44	17.63	13.75	11.66	8.00	7.31	4.05
	W	2042.48	1645.88	1131.00	824.85	482.63	274.22	207.09	162.25	137.54	94.40	86.29	47.79



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