

Front Terminal Battery

6FM175F/12Volt 175Ah

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

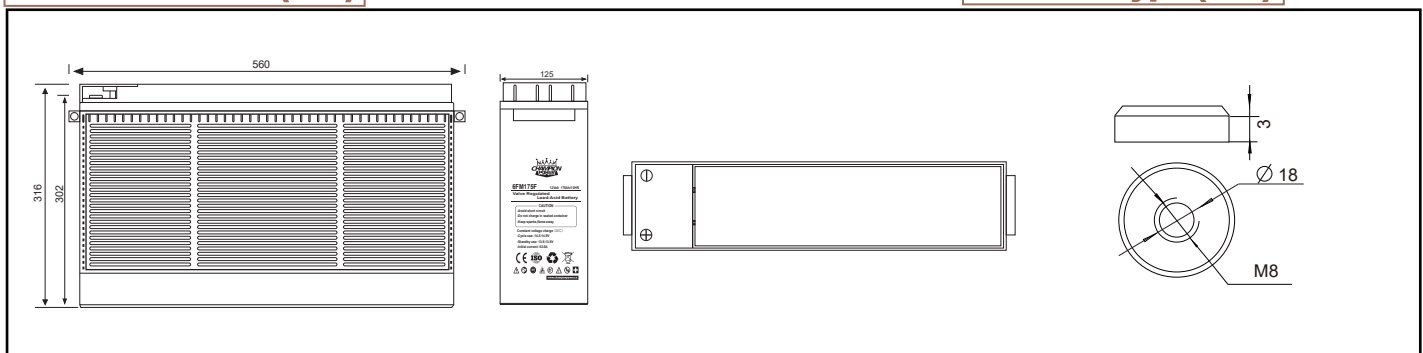
- Negative.....Lead
- Terminal.....Copper
- Positive.....Lead dioxide
- Electrolyte.....Sulfuric acid
- Separator.....Fiber glass
- Safety Valve.....EPDR
- Container.....ABS(UL94-HB) / (UL94-V0)

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10Hour rate)		175Ah	
	Cells Per battery		6	
Dimension	Length	Width	Height	Total Height
	560mm	125mm	316mm	316mm
Approx Weight	50.00Kg			
Internal Resistance	Full charged at 25°C (77°F): Approx 3.2mΩ			
Max.discharge current	1400A(5s)			
Floating design life @ 25°C (77°F)	12 years			
Capacity @ 25°C (77°F)	10Hour rate(17.5A/10.8V)	5Hour rate(29.75A/10.5V)	3Hour rate(43.75A/10.5V)	1Hour rate(96.25A/10.5V)
	175Ah	134Ah	105Ah	67Ah
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 52.5A)	
	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	630.00	385.00	306.25	201.25	105.88	61.25	45.50	36.75	30.70	20.27	19.25	9.98
	W	6678.00	4088.70	3276.88	2173.50	1154.04	667.63	500.50	404.25	337.68	225.01	213.68	112.22
10.20V	A	577.50	369.25	281.46	191.04	105.00	58.77	44.63	35.00	30.11	19.95	18.38	9.80
	W	6294.75	4098.68	3138.26	2149.22	1181.25	664.11	504.26	397.25	341.80	226.43	208.56	111.23
10.50V	A	535.57	352.91	262.50	185.21	101.50	57.60	43.75	33.25	29.75	19.69	18.03	9.68
	W	5891.30	3970.18	2966.25	2111.37	1157.10	659.57	500.94	382.38	342.13	226.41	207.29	111.29
10.80V	A	487.67	349.86	245.00	176.75	99.75	56.15	42.88	32.67	28.44	19.18	17.50	9.56
	W	5364.33	3988.40	2805.25	2041.46	1152.11	648.48	497.35	380.57	331.30	223.41	203.88	111.32
11.10V	A	421.75	332.50	227.50	164.50	96.25	54.69	41.13	32.08	27.20	18.67	17.06	9.45
	W	4765.78	3840.38	2639.00	1924.65	1126.13	639.84	483.22	378.58	320.94	220.27	201.34	111.51

