

Front Terminal Battery

6FM155F/12Volt 155Ah

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

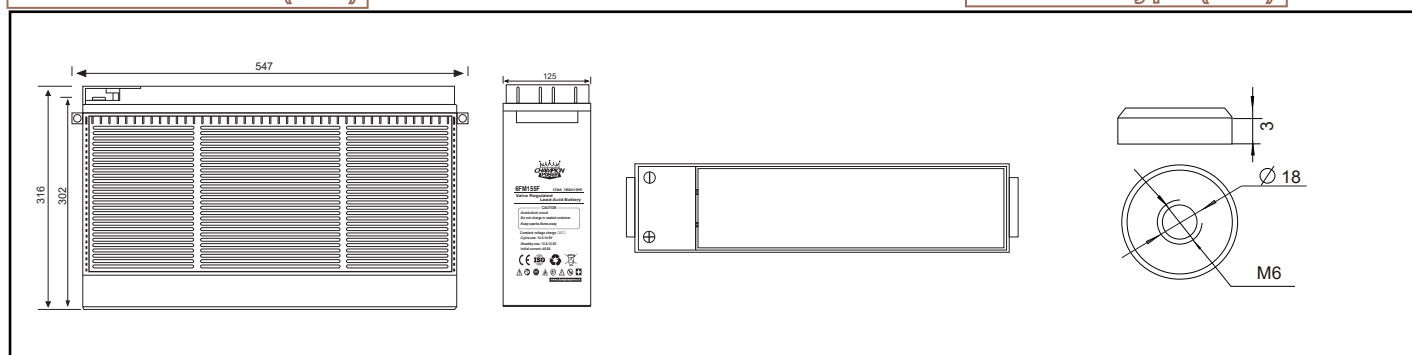
- Negative.....Lead
- Terminal.....Copper
- Positive.....Lead dioxide
- Electrolyte.....Sulfuric acid
- Separator.....Fiber glass
- Safety Valve.....EPDR
- Container.....ABS(UL94-HB) / (UL94-V0)

Specification

Battery Model	Nominal Voltage	12V		
	Rated capacity (10Hour rate)	155Ah		
	Cells Per battery	6		
Dimension	Length	Width	Height	Total Height
	547mm	124mm	316mm	316mm
Approx Weight	51.0Kg			
Internal Resistance	Full charged at 25°C (77°F): Approx 4mΩ			
Max.discharge current	1240A(5s)			
Floating design life @ 25°C (77°F)	12 years			
Capacity @ 25°C (77°F)	10Hour rate(15.5A/10.8V)	5Hour rate(25A/10.5V)	3Hour rate(31A/10.5V)	1Hour rate(63.9A/9.60V)
	155Ah	125Ah	93Ah	63.9Ah
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	14.5-14.9V (Initial charging current less than 46.5A)		
	Float Use	13.6-13.8V		

Outer dimension (mm)

Terminal Type (mm)

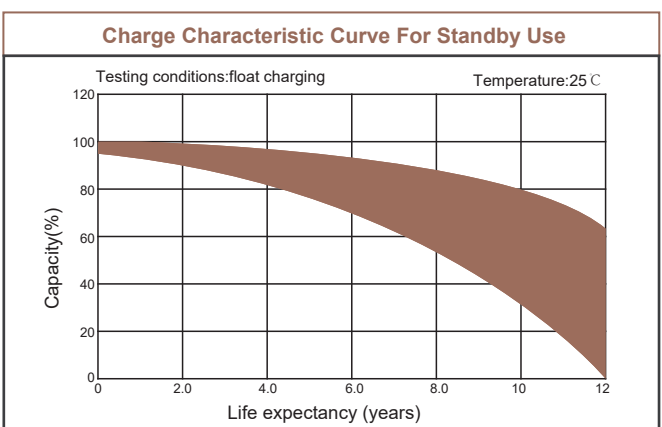
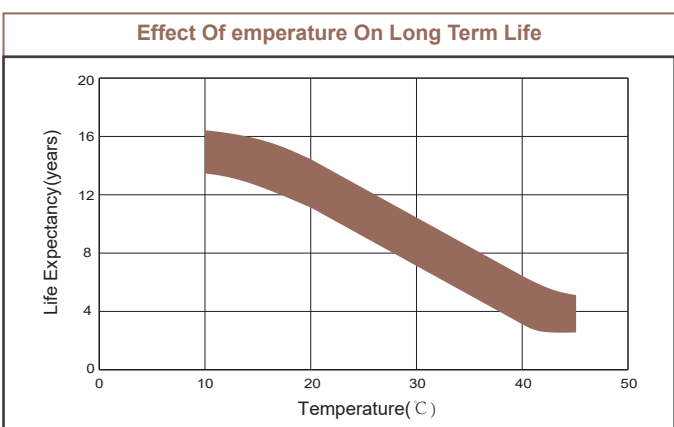
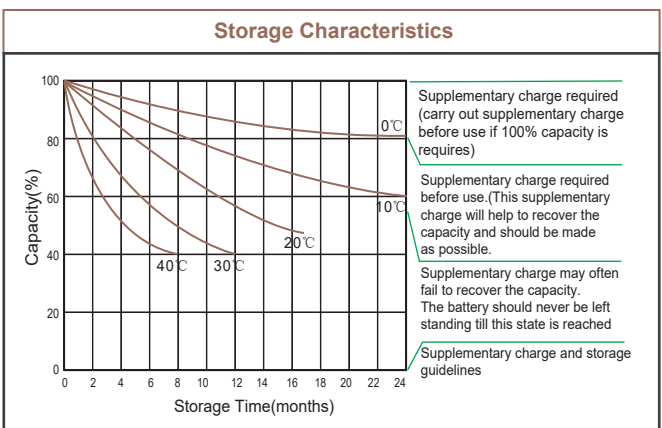
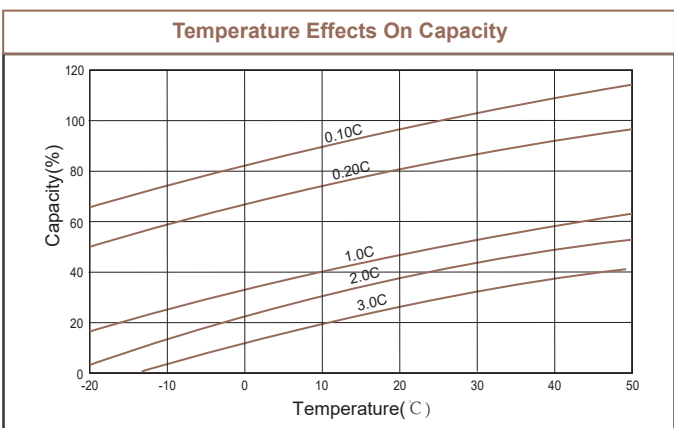
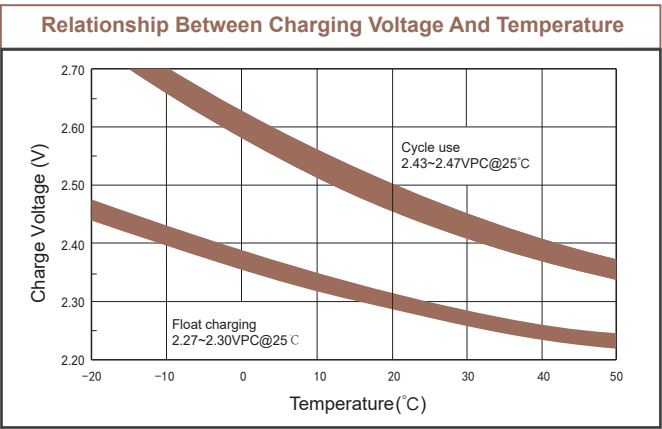
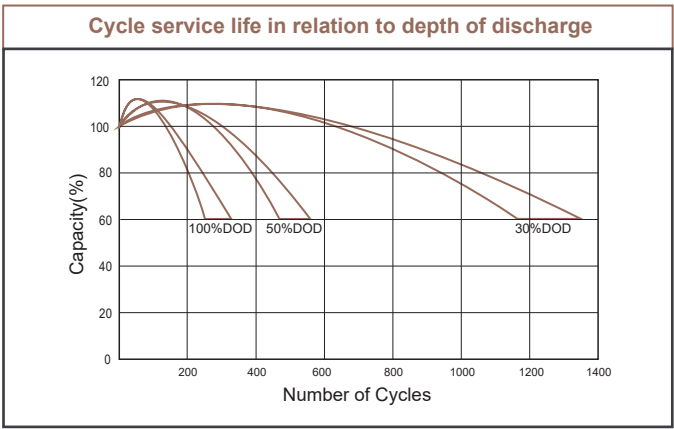
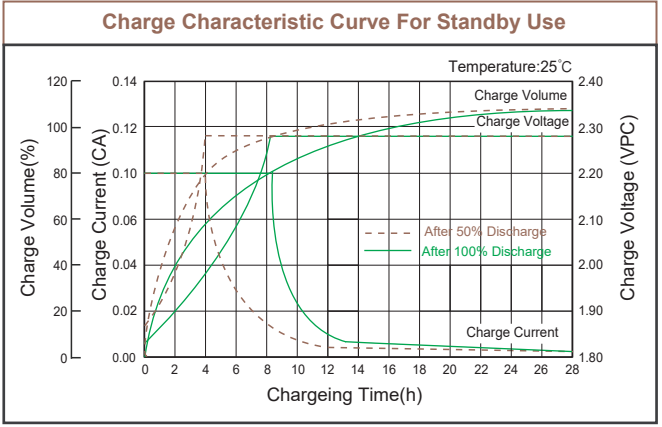
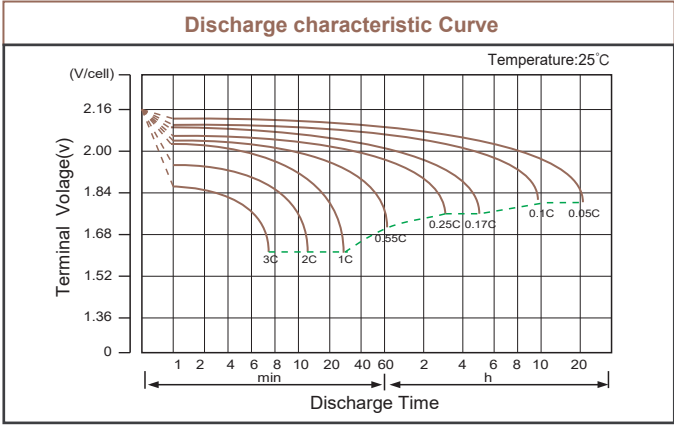


Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C (77°F)

F.V / TIME		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	558.00	341.00	271.25	178.25	93.00	54.25	40.30	32.55	27.19	17.95	17.05	8.84
	W	5914.80	3621.42	2902.38	1925.10	1013.70	591.33	443.30	358.05	299.09	199.29	189.26	99.39
10.20V	A	511.50	342.29	249.29	169.21	96.10	52.05	39.53	31.00	26.67	17.67	16.28	8.68
	W	5575.35	3799.44	2779.60	1903.59	1081.13	588.21	446.63	351.85	302.74	200.55	184.72	98.52
10.50V	A	474.36	327.05	232.50	164.04	93.00	51.02	38.75	29.45	26.35	17.44	15.97	8.57
	W	5218.01	3679.31	2627.25	1870.07	1060.20	584.19	443.69	338.68	303.03	200.53	183.60	98.57
10.80V	A	431.93	312.58	217.00	156.55	89.90	49.73	37.98	28.93	25.19	16.99	15.50	8.46
	W	4751.27	3563.45	2484.65	1808.15	1038.35	574.37	440.51	337.07	293.43	197.88	180.58	98.59
11.10V	A	373.55	294.50	201.50	145.70	85.25	48.44	36.43	28.42	24.09	16.53	15.11	8.37
	W	4221.12	3401.48	2337.40	1704.69	997.43	566.72	427.99	335.32	284.26	195.09	178.33	98.77



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Note: The above datas are average values. (Edition 2017-11)