

Front Terminal Battery

6FM180F/12Volt 180Ah

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

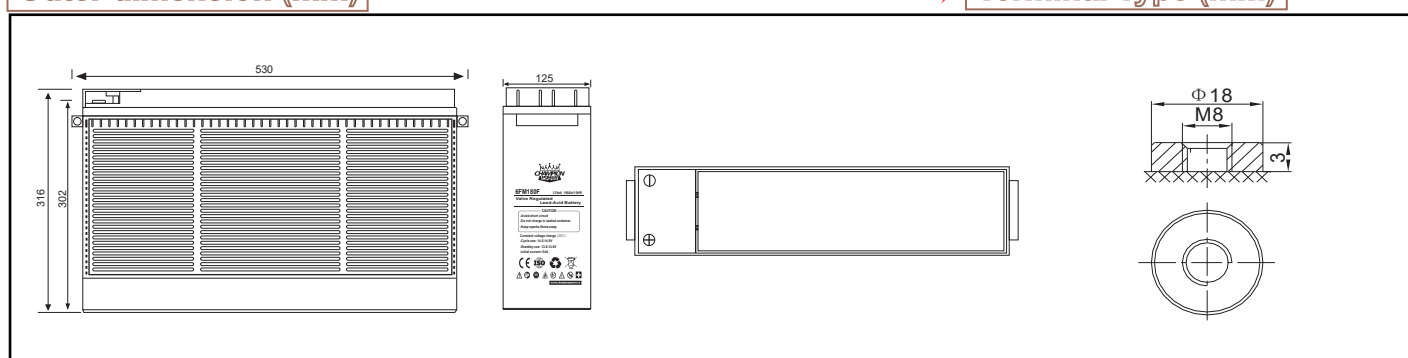
- Negative.....Lead
- Terminal.....Copper
- Positive.....Lead dioxide
- Electrolyte.....Sulfuric acid
- Separator.....Fiber glass
- Safety Valve.....EPDR
- Container.....ABS(UL94-HB) / (UL94-V0)

Specification

Battery Model	Nominal Voltage	12V			
	Rated capacity (10Hour rate)	180Ah			
	Cells Per battery	6			
Dimension	Length	Width	Height	Total Height	
	520mm	125mm	302mm	316mm	
Approx Weight	52.50Kg				
Internal Resistance	Full charged at 25°C (77°F): Approx 3.00mΩ				
Max.discharge current	1440A(5s)				
Floating design life @ 25°C (77°F)	12 years				
Capacity @ 25°C (77°F)	10Hour rate(18A/10.8V)	5Hour rate(30.6A/10.5V)	3Hour rate(45A/10.5V)	1Hour rate(99A/10.5V)	
	180Ah	138Ah	108Ah	69Ah	
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 54.0A)		
	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	648.00	396.00	315.00	207.00	108.90	63.00	46.80	37.80	31.58	20.85	19.80	10.26
	W	6868.80	4205.52	3370.50	2235.60	1187.01	686.70	514.80	415.80	347.33	231.43	219.78	115.43
10.20V	A	594.00	379.80	289.50	196.50	108.00	60.45	45.90	36.00	30.97	20.52	18.90	10.08
	W	6474.60	4215.78	3227.92	2210.63	1215.00	683.08	518.67	408.60	351.57	232.90	214.52	114.41
10.50V	A	550.88	362.99	270.00	190.50	104.40	59.25	45.00	34.20	30.60	20.25	18.54	9.95
	W	6059.63	4083.62	3051.00	2171.69	1190.16	678.41	515.25	393.30	351.90	232.88	213.21	114.47
10.80V	A	501.60	359.86	252.00	181.80	102.60	57.75	44.10	33.60	29.25	19.72	18.00	9.83
	W	5517.60	4102.36	2885.40	2099.79	1185.03	667.01	511.56	391.44	340.76	229.80	209.70	114.50
11.10V	A	433.80	342.00	234.00	169.20	99.00	56.25	42.30	33.00	27.98	19.20	17.55	9.72
	W	4901.94	3950.10	2714.40	1979.64	1158.30	658.13	497.03	389.40	330.11	226.56	207.09	114.70



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