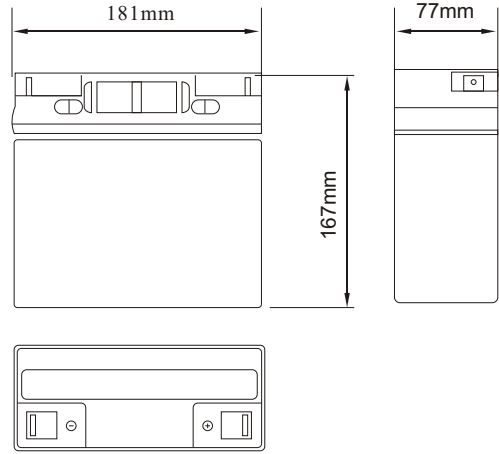


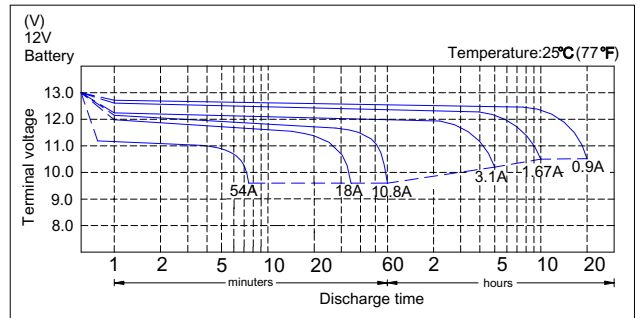
FM-12-20 12V20AH



Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		20AH
Dimension	Total Height (with terminals)	167mm
	Height	167mm
	Length	181mm
	Width	77mm
Weight		Approx.5.4kg

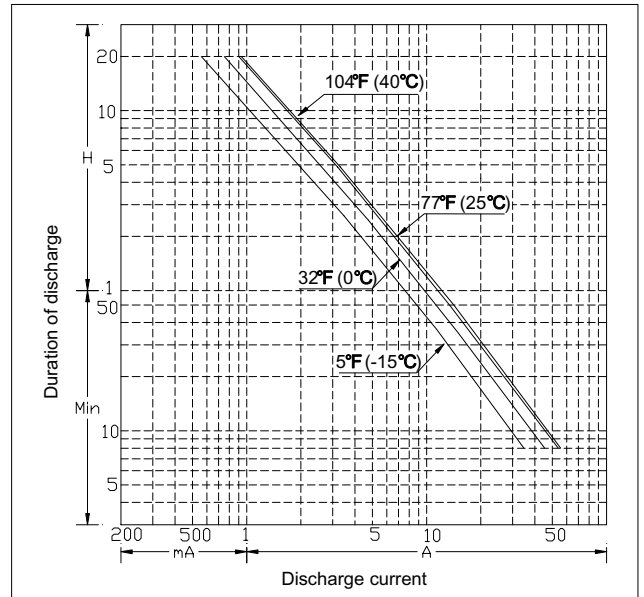
Discharge characteristics 77°F (25°C)



Characteristics

Capacity 77°F (25°C)	20 hour rate (0.9 A to 10.5Volts)	17AH
	10 hour rate (1.62A to 10.5Volts)	16.2AH
	5 hour rate (3.1A to 10.2Volts)	15.3AH
	1 hour rate (10.8A to 9.6Volts)	10.8AH
Internal Resistance	Full charged 77°F (25°C)	12mΩ
Standard Terminal	M5	
Capacity affected by Temperature (20 hour rate)	104°F (40°C)	102%
	77°F (25°C)	100%
	32°F (0°C)	85%
	5°F (-15°C)	65%
Self-Discharge 77°F (25°C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Max. Discharge Current 77°F (25°C)	270A (5s)	
Maximum Charge Current(A)	3.6A	
Charging (Constant Voltage)	Cycle	14.5V~ 14.9V/77°F (25°C)
	Float	13.6V~ 13.8V/77°F (25°C)
Temperature compensation coefficient of charging voltage (mV/°C/cell)	Cycle	-4mV/°C/cell
	Float	-3mV/°C/cell

Duration of discharge vs. Discharge current



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

Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	64.8	42.5	31.5	20.7	10.80	6.30	4.64	3.72	3.16	2.08	0.93
	W	764.2	480.0	363.0	219.7	124.5	72.9	53.63	43.05	36.53	24.08	10.80
10.20V	A	59.4	40.6	28.9	19.7	10.14	6.04	4.50	3.60	3.10	2.05	0.91
	W	719.2	454.5	341.2	218.3	117.0	70.0	52.12	41.70	35.85	23.70	10.50
10.50V	A	54.1	38.0	27.0	19.0	9.81	5.93	4.42	3.42	3.06	2.03	0.90
	W	694.5	441.0	326.3	216.0	113.5	68.6	51.22	39.60	35.63	23.48	10.43
10.80V	A	52.0	36.3	25.2	18.5	9.48	5.77	4.35	3.36	2.93	1.97	0.88
	W	609.0	427.5	314.2	215.2	110.3	67.2	50.63	39.11	34.05	22.50	10.20
11.10V	A	48.1	34.2	23.4	18.0	9.15	5.63	4.13	3.30	2.80	1.92	0.86
	W	588.7	413.2	299.3	213.8	108.8	66.7	49.13	39.00	33.30	21.75	10.13

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.