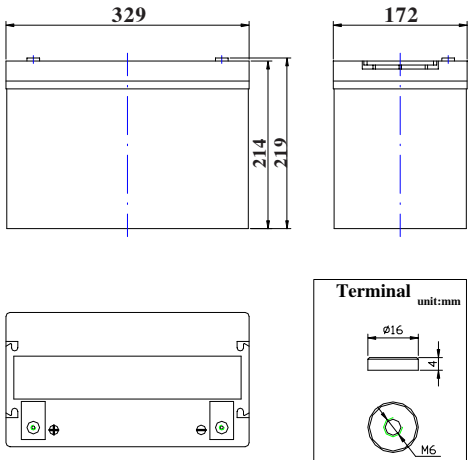


FM-12-100 12V/100AH



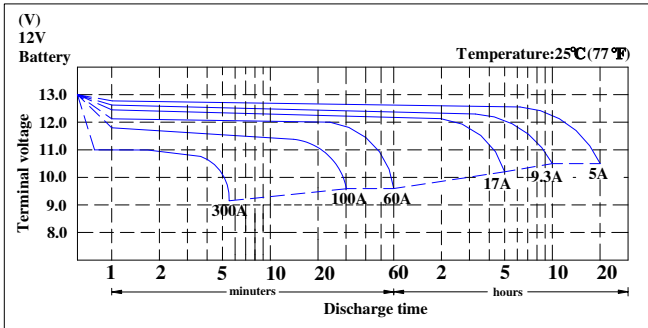
Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		100AH
Dimension	Total Height (with terminals)	219mm
	Height	214mm
	Length	329mm
	Width	172mm
Weight		Approx.28.2 ± 0.4kg

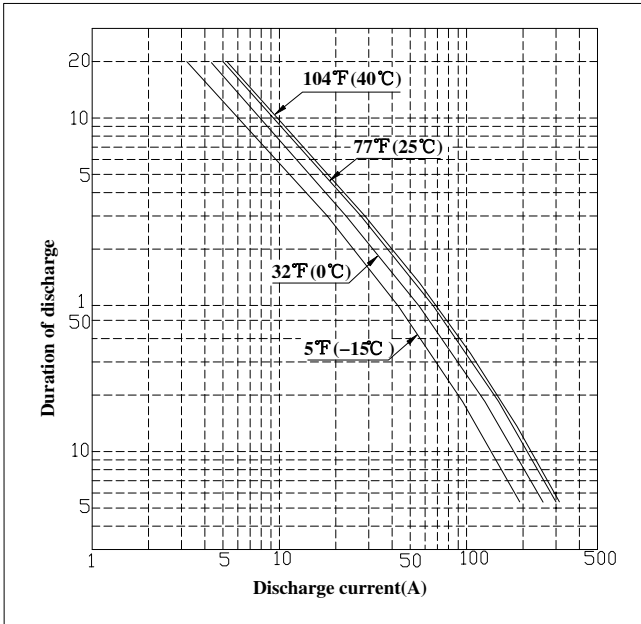
Characteristics

Capacity 77°F(25°C)	20 hour rate (5A to 10.5Volts)	100AH
	10 hour rate (9.3A to 10.5Volts)	93AH
	5 hour rate (17A to 10.2Volts)	85AH
	1 hour rate (60A to 9.6Volts)	60AH
Internal Resistance	Full charged 77°F(25°C)	4.6mΩ
Standard Terminal	M6	
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)	1200A (5s)	
Maximum Charge Current(A)	20A	
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)	Vycle	-4mV/ °C /cell
	Float	-3mV/ °C /cell

Discharge characteristics 77°F(25°C)



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	320.3	211.0	170.1	114.0	60.0	35.0	25.7	20.0	16.5	11.7	10.5	5.7
	W	3305.5	2253.5	1823.8	1225.7	648.0	384.3	286.0	225.0	187.6	134.1	121.3	65.9
10.20V	A	310.2	190.4	160.2	109.0	56.4	33.4	25.0	19.5	16.2	11.4	10.3	5.5
	W	3312.9	2126.0	1792.6	1223.6	637.9	385.0	289.5	226.7	188.9	133.4	121.0	64.5
10.50V	A	300.1	170.3	140.1	102.0	54.6	32.6	24.4	19.2	16.0	11.3	10.1	5.5
	W	3277.1	1937.3	1598.8	1176.8	632.3	378.1	284.3	224.6	187.6	132.9	119.5	65.0
10.80V	A	289.2	160.5	130.2	94.0	52.8	31.8	23.8	18.9	15.6	11.0	10.0	5.4
	W	3244.8	1850.9	1499.9	1089.1	614.6	372.4	280.6	223.2	184.4	130.4	118.9	64.3
11.10V	A	279.5	150.4	120.2	84.0	51.0	31.0	23.0	18.4	15.2	10.7	9.5	5.1
	W	3169.5	1741.6	1399.1	982.8	599.8	366.4	273.2	219.1	181.4	128.1	114.7	61.8

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