

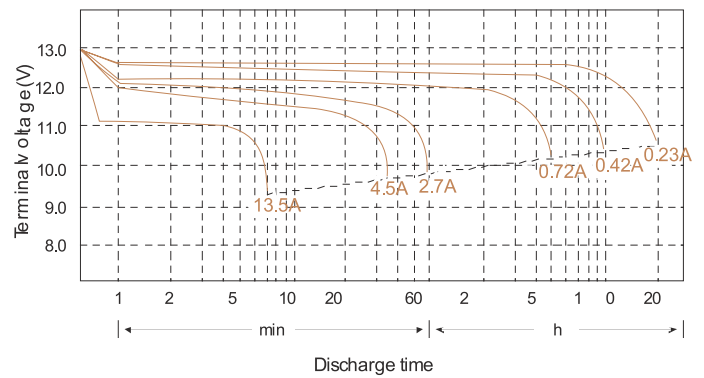
■ SPECIFICATIONS

Nominal Voltage		12V
Rated Capacity(20 hour rate)		4.5Ah
Dimensions	Total Height (with terminals)	4.21inches(107mm)
	Height	3.97inches(101mm)
	Length	3.54inches(90mm)
	Width	2.76inches(70mm)
Weight		Approx. 3.74pound(1.70kg)

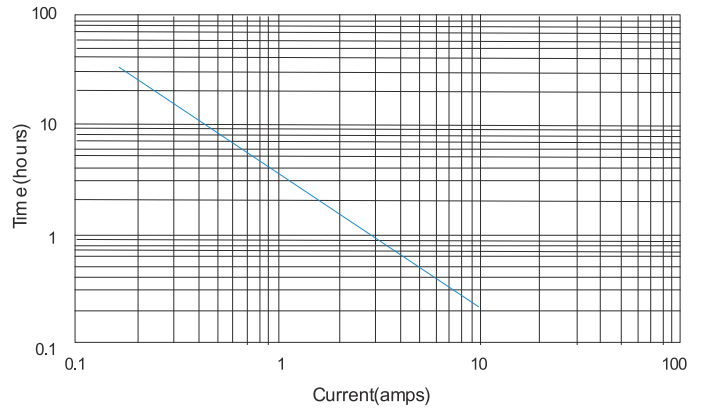
■ CHARACTERISTICS

Capacity 77 F(25 C)	20 hour rate (0.23A)	4.5Ah
	10 hour rate (0.42A)	4.2Ah
	5 hour rate (0.72A)	3.6Ah
	1 hour rate (2.7A)	2.7Ah
	15 minute Rate (7.92 A)	1.98Ah
Internal Resistance	Full charged Battery 77F(25C)	22mΩ
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(20°C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	81%
	Capacity after 12 month storage	60%
Max. Discharge Current 77 ° F(25°C)	67.5A(5S)	
Terminal	F1/F2	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 1.35A Voltage 14.4~14.7V/77 F(25 C)
	Float	Voltage 13.5~13.8V/77 F(25 C)

■ DISCHARGE CURVES 77 ° F (25°C)



■ DISCHARGE CURRENT VS. TIME 77°F (25°C)



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

■ CONSTANT WATTAGE DISCHARGE (WATTS PER CELL@25°C)

Cut off voltage v/cell	5 M	10 M	15 M	30 M	45 M	60 M
1.60V	29.0	18.4	14.1	9.45	6.76	5.50
1.65V	28.2	17.9	13.7	9.27	6.69	5.42
1.70V	27.5	17.6	13.7	8.66	6.53	5.30
1.75V	25.9	17.5	13.4	8.36	6.40	5.23
1.80V	24.0	17.0	12.6	8.01	6.11	4.99

