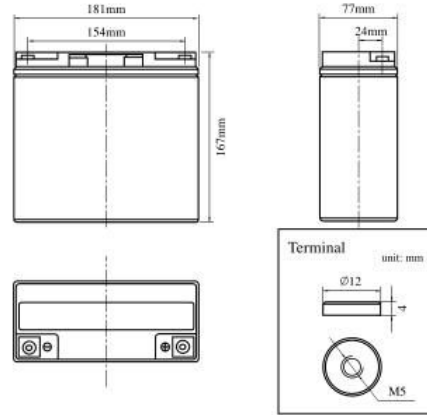


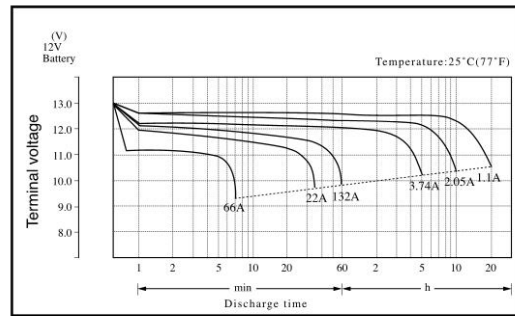
S-12220



Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		22AH
Dimension	Total Height (with terminals)	167mm(6.57inches)
	Height	167mm(6.57inches)
	Length	181mm(7.13inches)
	Width	77mm(3.03inches)
Weight		Approx.6.70 kg(14.77lbs)

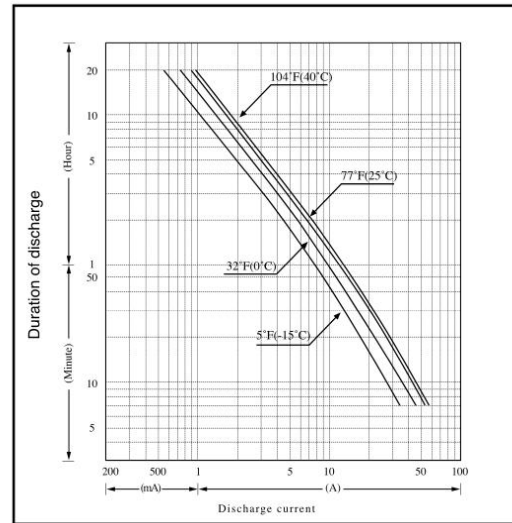
Discharge characteristics 77°F (25°C)



Characteristics

Capacity 77°F(25°C)	20 hour rate(1.1A)	22AH
	10 hour rate(2.05mA)	20.5AH
	5 hour rate(3.74A)	18.7AH
	1 hour rate(13.2A)	13.2AH
	15 min rate(38.52A)	9.63AH
Internal Resistance	Full charged Battery 77°F(25°C)	11mΩ
	104°F(40°C)	102%
Capacity affected by Temperature (20 hour rate)	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
	Capacity after 3 month storage	91%
Self-Discharge 77°F(25°C)	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
	Max. Discharge Current 77°F(25°C)	330A(5S)
Terminal	Standard	F12
	Optional	F3
Charging (Constant Voltage)	Cycle	Initial Charging Current 4.4A Or Small 14.5V~14.9V/77°F(25°C)
	Float	13.6V~13.8V/77°F(25°C)

Duration of discharge vs. Discharge current



Constant Power discharge Watts Per Cell 77°F (25°C)

Cut off voltage V/cell	5M	10M	15M	30M	40M	60M
1.50V	161.9	104.1	81.4	47.6	42.5	31.7
1.60V	160.8	103.1	80.5	46.9	41.9	31.1
1.67V	158.8	102.1	80.0	46.5	41.6	30.8
1.70V	156.0	101.2	79.4	45.9	41.0	30.3
1.75V	155.0	100.2	78.3	45.2	40.3	29.6

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