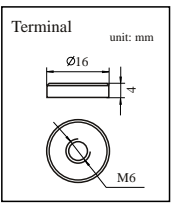
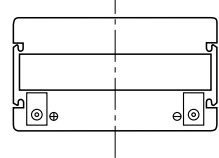
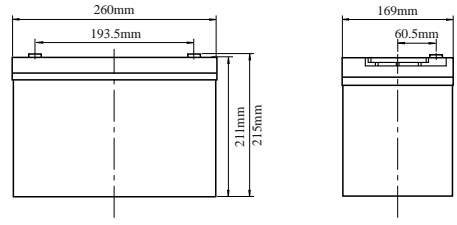


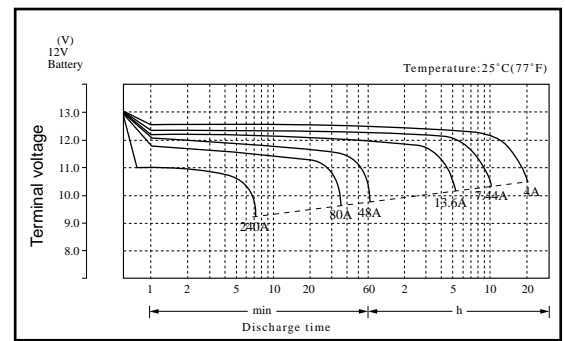
HGL80-12A



Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		80AH
Dimension	Total Height (with terminals)	215mm(8.46inches)
	Height	211mm(8.31inches)
	Length	260mm(10.24inches)
	Width	169mm(6.65inches)
Weight		Approx.28.5kg(62.83lbs)

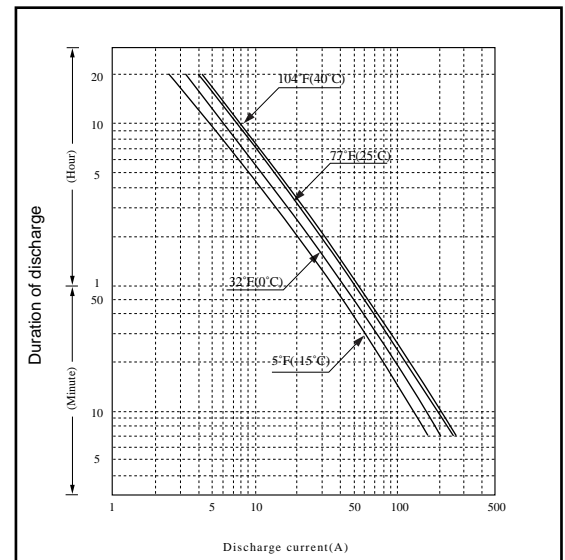
Discharge characteristics 77°F(25°C)



Characteristics

Capacity 77°F(25°C)	20 hour rate(4A)	80AH
	10 hour rate(7.44A)	74.4AH
	5 hour rate(13.6A)	68AH
	1 hour rate(48A)	48AH
	15 min rate(140A)	35AH
Internal Resistance	Full charged Battery 77°F(25°C)	5mΩ
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)
Terminal	Standard	F15
	Optional	
Charging (Constant Voltage)	Cycle	Initial Charging Current 16A Or Small 14.5~14.9V/77°F(25°C)
	Float	13.6~13.8V/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	45M	1H	2H	3H	5H	8H	10H	12H	24H
1.60	518	373	298	179	129	100	58.4	40.7	27.4	17.9	15.0	13.0	6.68
1.65	509	370	295	178	128	99.4	58.0	40.4	27.4	17.9	15.0	13.0	6.68
1.67	503	366	290	176	127	98.7	57.6	40.1	27.4	17.9	15.0	13.0	6.68
1.70	488	355	280	171	124	97.7	57.3	39.7	27.4	17.9	15.0	13.0	6.68
1.75	467	341	269	165	121	96.1	56.7	39.3	27.0	17.6	14.9	13.0	6.68
1.80	448	326	257	159	118	94.6	56.1	38.8	26.6	17.3	14.6	12.8	6.68

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