

HGL18-12



Specifications

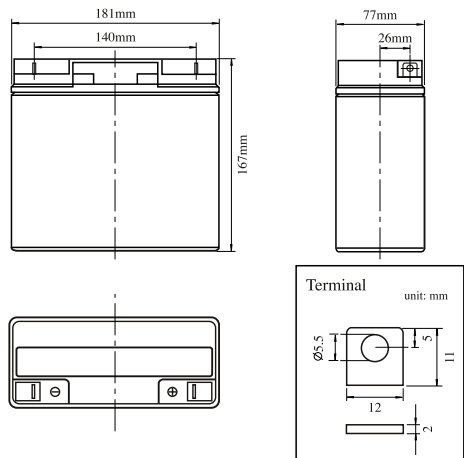
Nominal Voltage		12V
Rated Capacity(20 hour rate)		18AH
Dimension	Total Height (with terminals)	167mm(6.57inches)
	Height	167mm(6.57inches)
	Length	181mm(7.13inches)
	Width	77mm(3.03inches)
Weight		Approx.6.30kg(13.89 bs)

Characteristics

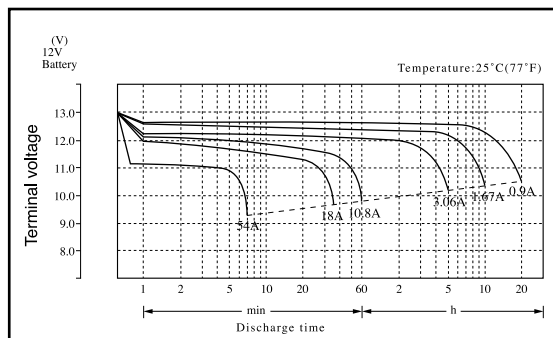
Capacity 77°F(25°C)	20 hour rate(900mA)	18AH
	10 hour rate(1.67mA)	16.7AH
	5 hour rate(3.06A)	15.3AH
	1 hour rate(10.8A)	10.8AH
	15 min rate(31.52A)	7.88AH
Internal Resistance	Full charged Battery 77°F(25°C)	12mΩ
Capacity affected by Temperature (20 hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	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)
Terminal	Standard	F3
	Optional	
Charging (Constant Voltage)	Cycle	Initial Charging Current 3.6A Or Small (14.5V~14.9V/77°F(25°C)
	Float	13.6V~13.8V/77°F(25°C)

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

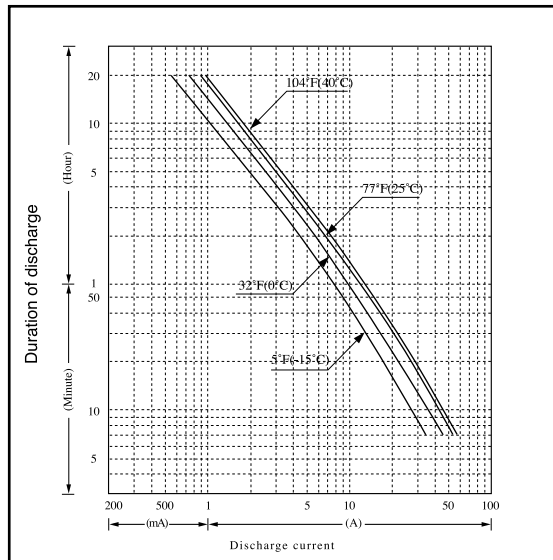
Cut off voltageV/cell	5M	10M	15M	30M	40M	60M
1.50	141.8	91.6	71.5	41.9	37.1	27.5
1.60	140.5	90.7	70.6	41.3	36.4	27.0
1.67	138.6	89.7	70.0	40.9	36.1	26.7
1.70	136.3	88.8	69.4	40.3	35.6	26.2
1.75	135.1	87.8	68.5	39.7	35.0	25.7



Discharge characteristics 77°F(25°C)



Duration of discharge vs. Discharge current



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