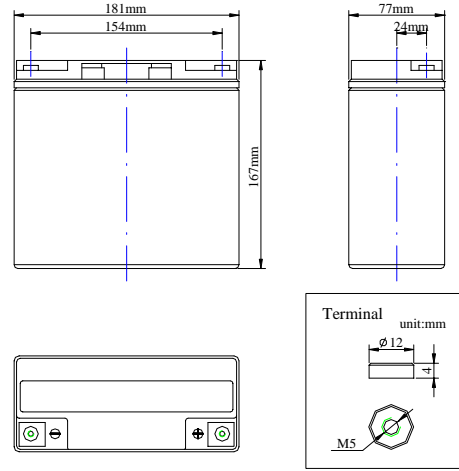


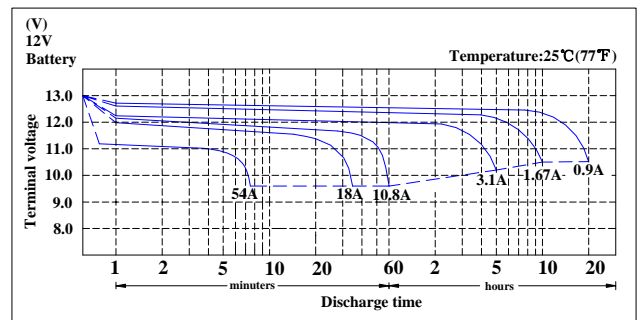
## HGL18-12



### 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(3.03 inches)
Weight		Approx.5.5kg (12.10lbs)

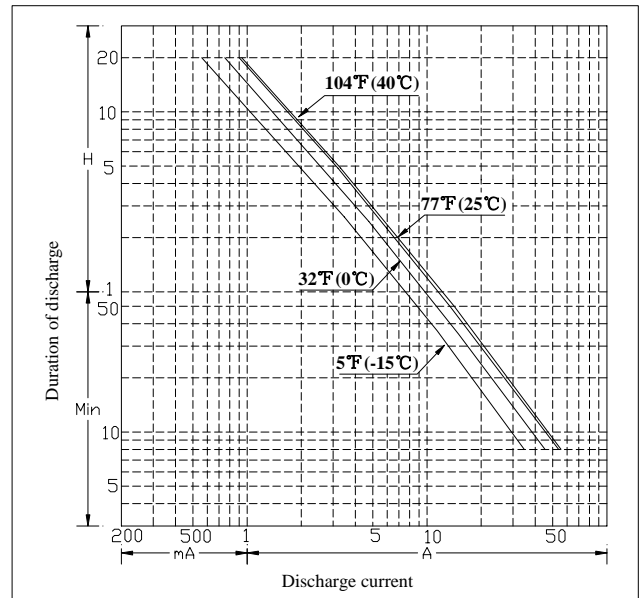
### Discharge characteristics 77°F (25°C)



### Characteristics

Capacity 77°F (25°C)	20 hour rate (0.9 A to 10.5Volts)	18AH
	10 hour rate (1.67A to 10.5Volts)	16.7AH
	5 hour rate (3.1A to 10.2Volts)	15.3AH
	1 hour rate (10.8A to 9.6Volts)	10.8AH
Internal Resistance	Full charged 77°F (25°C)	12m Ω
Standard Terminal	M5	
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)	
Maximum Charge Current(A)	3.6A	
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)	Cycle	-4mV/°C/cell
	Float	-3mV/°C/cell

### Duration of discharge vs. Discharge current



### Constant Current Discharge Rating Amperes @ 77°F (25°C)

Cut off voltage V/cell	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	20H	24H
1.75V	32	18	13.3	10.7	5.8	4.7	3.2	2.07	1.69	1.44	0.90	0.75

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