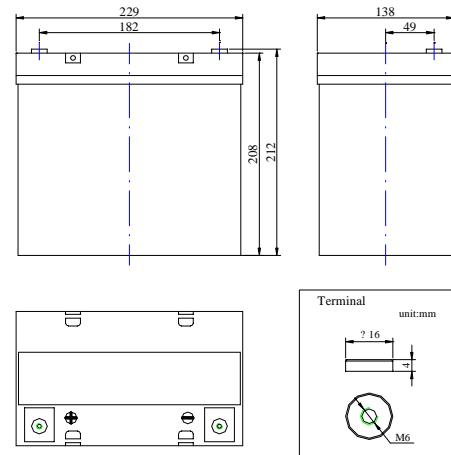


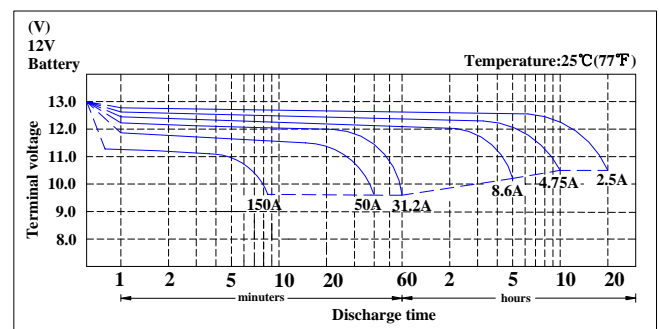
□ HGL50-12



Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		50AH
Dimension	Total Height (with terminals)	212mm(8.35inches)
	Height	208mm(8.19inches)
	Length	229mm(9.02inches)
	Width	138mm(5.43inches)
Weight		Approx.17.1kg (37.62lbs)

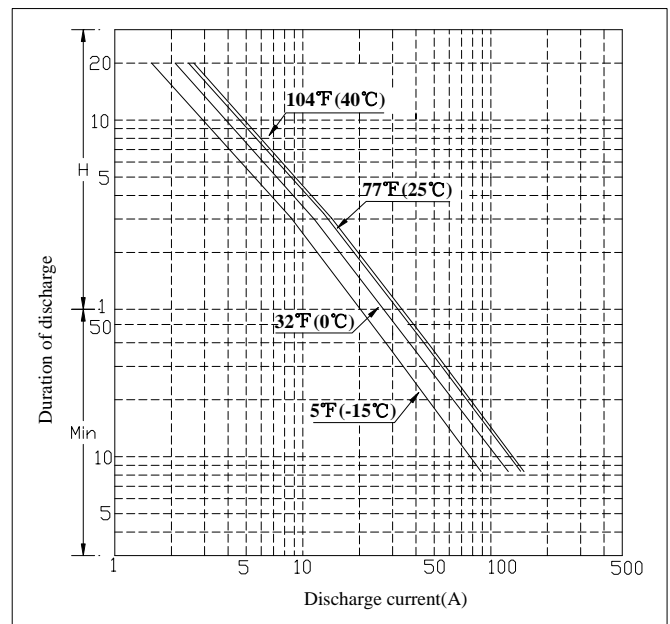
Discharge characteristics 77°F (25°C)



Characteristics

Capacity 77°F (25°C)	20 hour rate (2.5A to 10.5Volts)	50AH
	10 hour rate (4.75A to 10.5Volts)	47.5AH
	5 hour rate (8.6A to 10.2Volts)	43AH
	1 hour rate (31.2A to 9.6Volts)	31.2AH
Internal Resistance	Full charged 77°F (25°C)	8 mΩ
Standard Terminal	M6	
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)	750A (5s)	
Maximum Charge Current(A)	10A	
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	89	50	36.8	30.9	17.3	12.6	8.5	5.81	4.75	4.04	2.50	2.09

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

FULLRIVER

HGL BATTERIES

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