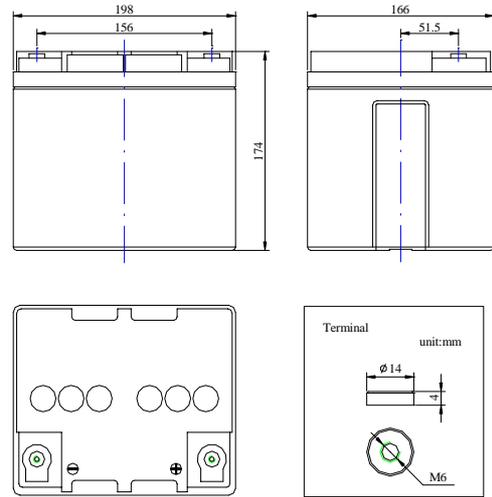


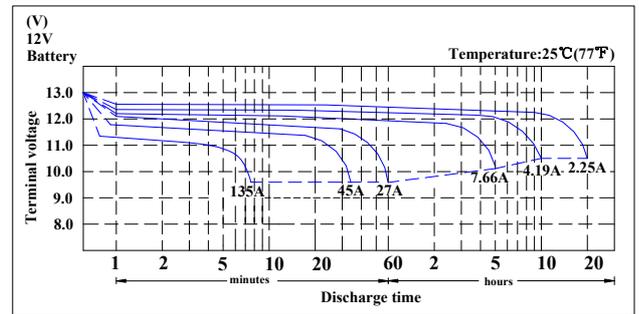
□ HGL45-12



Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		45AH
Dimension	Total Height (with terminals)	174mm(6.85inches)
	Height	174mm(6.85inches)
	Length	198mm(7.80inches)
	Width	166mm(6.54inches)
Weight		Approx.13.5kg (29.70lbs)

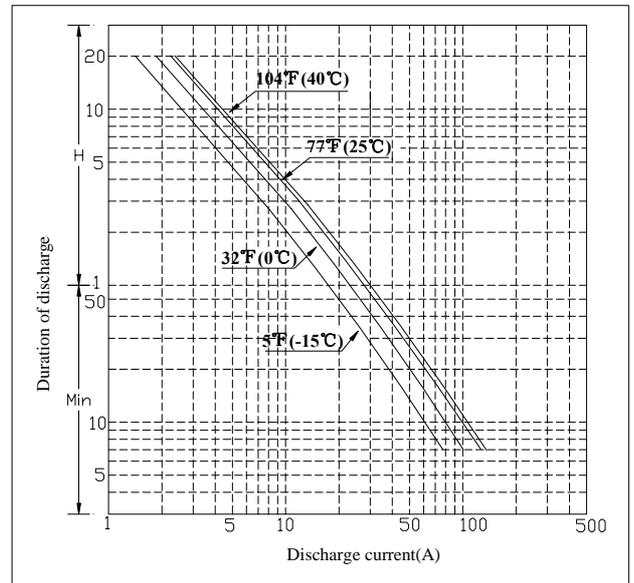
Discharge characteristics 77°F (25°C)



Characteristics

Capacity 77°F (25°C)	20 hour rate (2.25A to 10.5Volts)	45AH
	10 hour rate (4.19A to 10.5Volts)	41.9AH
	5 hour rate (7.66A to 10.2Volts)	38.3AH
	1 hour rate (27A to 9.6Volts)	27AH
Internal Resistance	Full charged 77°F (25°C)	9 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)	660A (5s)	
Maximum Charge Current(A)	9A	
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	74	44	32	25.9	14.8	11.0	7.5	5.12	4.19	3.56	2.25	1.88

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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