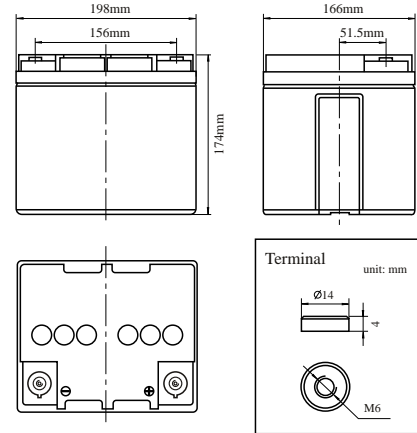


HGL45-12



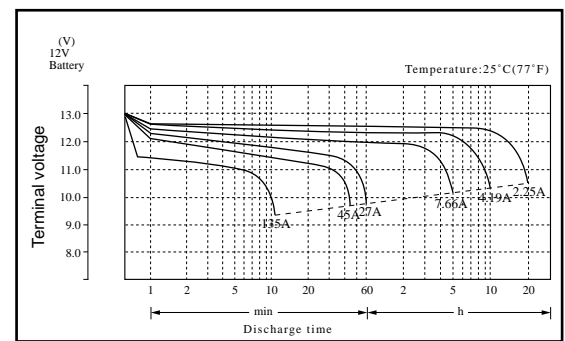
Specifications

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.16.2kg(35.71lbs)

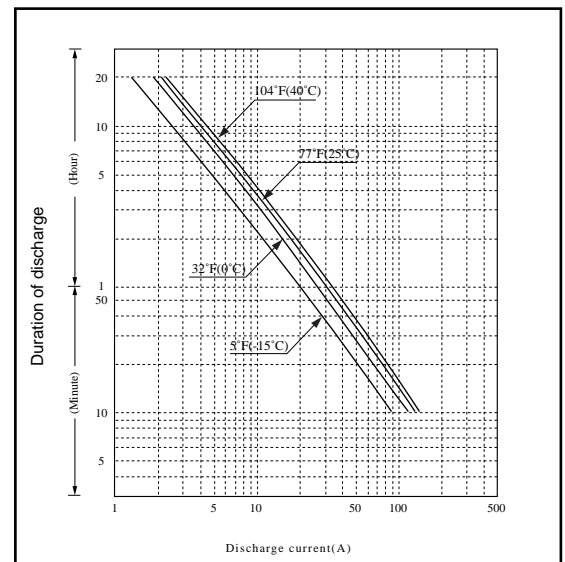
Characteristics

Capacity 77°F(25°C)	20 hour rate(2.25A)	45AH
	10 hour rate(4.19A)	41.9AH
	5 hour rate(7.66A)	38.3AH
	1 hour rate(27A)	27AH
	15 min rate(78.8A)	19.70AH
Internal Resistance	Full charged Battery 77°F(25°C)	6mΩ
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)	675A(5S)	
Terminal	Standard	F13
	Optional	
Charging (Constant Voltage)	Cycle	Initial Charging Current 9A Or Small 14.5V~14.9V/77°F(25°C)
	Float	13.6V~13.8V/77°F(25°C)

Discharge characteristics 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	312	216	172	102	75.4	61.0	35.3	24.7	16.6	10.6	8.78	7.61	3.90
1.65	309	215	171	102	74.7	60.2	34.9	24.4	16.6	10.6	8.78	7.61	3.90
1.67	305	213	167	101	73.8	59.7	34.6	24.3	16.6	10.6	8.78	7.61	3.90
1.70	297	209	165	97.9	72.3	58.9	34.2	24.0	16.6	10.6	8.78	7.61	3.90
1.75	288	202	159	95.5	70.8	57.9	33.7	23.7	16.3	10.5	8.73	7.61	3.90
1.80	279	195	153	93.2	69.3	56.9	33.2	23.4	16.1	10.4	8.62	7.55	3.90

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