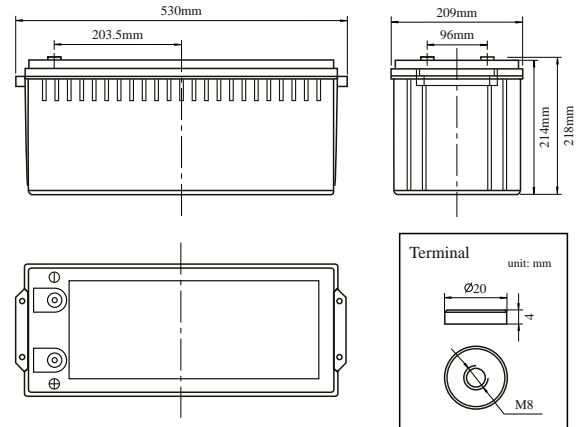


# HGL200-12



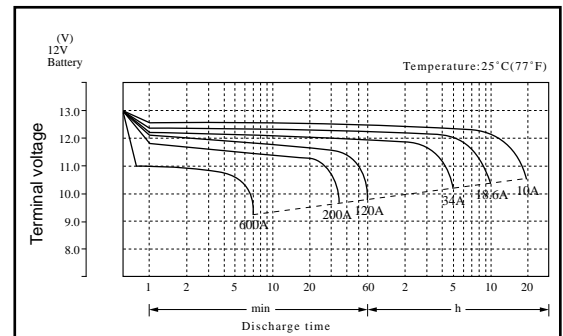
## Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		200AH
Dimension	Total Height (with terminals)	218mm(8.58inches)
	Height	214mm(8.43inches)
	Length	530mm(20.87inches)
	Width	209mm(8.23inches)
Weight		Approx.65.5kg(144.40lbs)

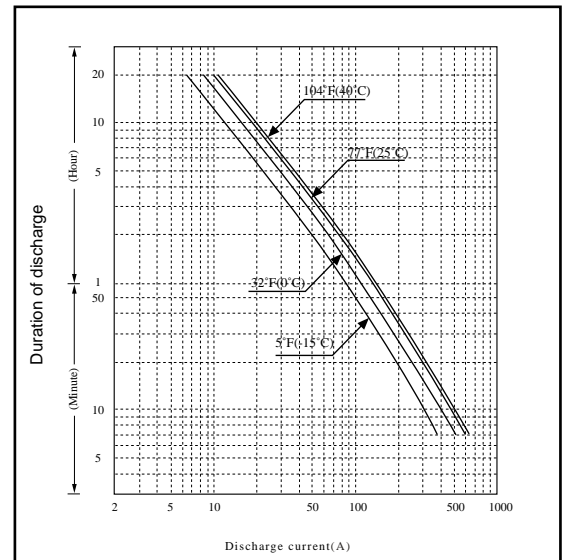
## Characteristics

Capacity 77°F(25°C)	20 hour rate(10A)	200AH
	10 hour rate(18.6A)	186AH
	5 hour rate(34A)	170AH
	1 hour rate(120A)	120AH
	15 min rate(350A)	87.5AH
Internal Resistance	Full charged Battery 77°F(25°C)	2.3mΩ
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)	3000A(5S)	
Terminal	Standard	F17
	Optional	
Charging (Constant Voltage)	Cycle	Initial Charging Current 40A Or Small 14.5~14.9V/77°F(25°C)
	Float	13.6~13.8V/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
1.60V	1008	796	655	423	318	252	147	103	69.0	45.3	38.3	33.1	17.0
1.65V	958	766	635	417	314	250	146	102	68.4	45.3	38.3	33.1	17.0
1.67V	948	756	625	413	311	247	146	101	68.2	45.3	38.3	33.1	17.0
1.70V	897	726	605	408	308	245	145	100	67.9	45.2	38.3	33.1	17.0
1.75V	847	685	580	398	300	244	144	99.8	67.4	44.8	37.9	33.1	17.0
1.80V	791	645	554	388	292	243	143	99.3	66.9	44.3	37.5	32.7	17.0

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