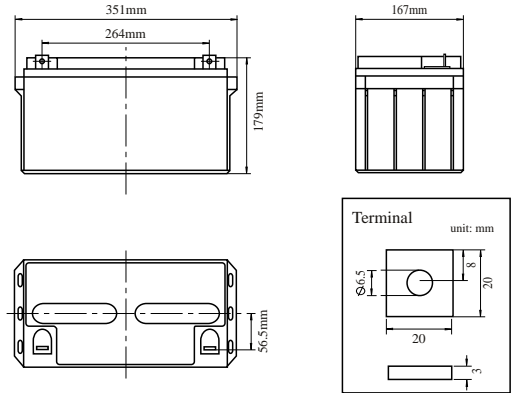


HGL80-12B



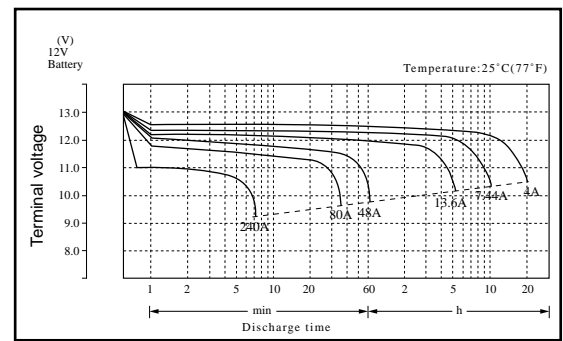
Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		80AH
Dimension	Total Height (with terminals)	183mm(7.20inches)
	Height	179mm(7.05inches)
	Length	351mm(13.82inches)
	Width	167mm(6.57inches)
Weight		Approx. 24.8kg(54.67lbs)

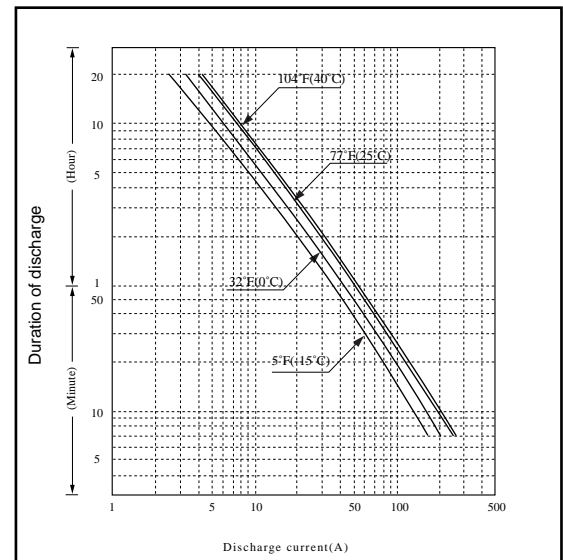
Characteristics

Capacity 77°F(25°C)	20 hour rate(4A)	80AH
	10 hour rate(7.44A)	74.4AH
	5 hour rate(13.6A)	68AH
	1 hour rate(48A)	48AH
	15 min rate(140A)	35AH
Internal Resistance	Full charged Battery 77°F(25°C)	5mΩ
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)		1200A(5S)
Terminal	Standard	F22
	Optional	
Charging (Constant Voltage)	Cycle	Initial Charging Current 16A 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
1.60	490	352	282	169	122	95.1	55.3	38.6	25.9	16.9	14.2	12.3	6.31
1.65	482	349	278	168	120	94.2	54.9	38.2	25.9	16.9	14.2	12.3	6.31
1.67	476	346	274	166	120	93.4	54.6	38.0	25.9	16.9	14.2	12.3	6.31
1.70	462	336	265	162	117	92.5	54.2	37.6	25.9	16.9	14.2	12.3	6.31
1.75	443	322	254	156	114	91.0	53.7	37.2	25.5	16.7	14.1	12.3	6.31
1.80	425	309	243	150	111	89.5	53.0	36.7	25.2	16.4	13.8	12.1	6.31

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