CBG2000-2

2V 2000AH

Deep Cycle Gel

CBG2000-2

Physical Specification

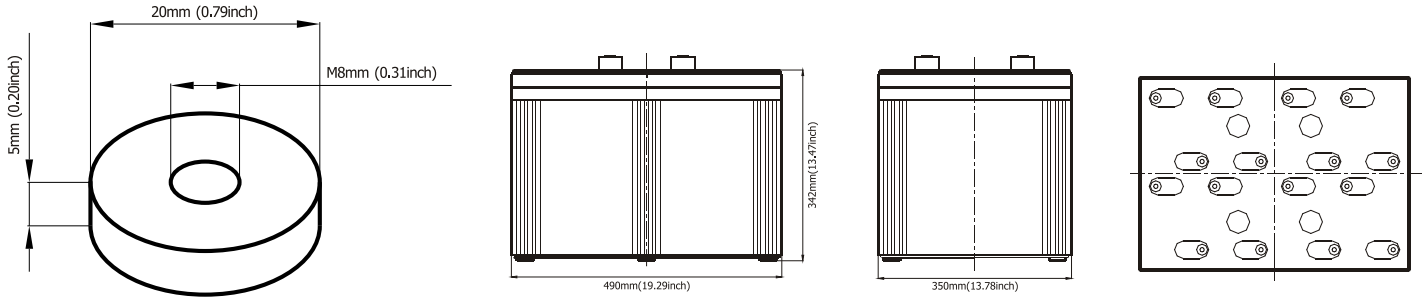
Part Number	**CBG2000-2**
Length	**490 ± 2 mm**
Width	**350 ± 2 mm**
Container Height	**342 ± 2 mm**
Total Height (with terminal)	**378 ± 2 mm**
Approx Weight	**132 kg**

Specifications

	Nominal Voltage	2V
	Nominal Capacity (10HR)	2000AH
Terminal Type	Standard Terminal	T11
Container Material	Standard Option	ABS
Rated Capacity	20hr, 1.80V/cell, 25°C	2040AH / 102A
	10hr, 1.80V/cell, 25°C	2000AH / 200A
	5hr, 1.75V/cell, 25°C	1735AH / 347A
	1hr, 1.60V/cell, 25°C	1295AH / 1295A
Internal Resistance	Approx 0.0005m Ω	
	Cycle Use	2.3V ~ 2.35V Temp.
	Standby Use	No limit on Initial Charging Current Voltage 2.25V ~ 2.27V Temp.
	Capacity affect by Temperature	40°C 103%
		25°C 100%
		0°C 86%
Design Floating Life at 20°C	15 Years	
Self Discharge	Canbat batteries may be stored for up to 6 months at 25°C(77°F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

T11 Terminal



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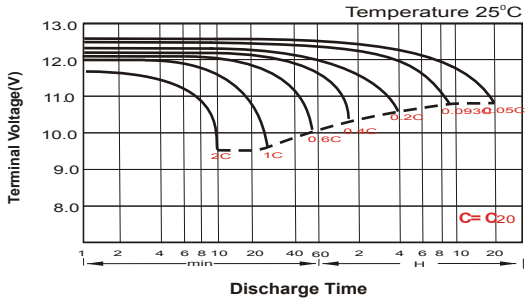
Constant Current Discharge (Amperes) at 25°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	5400	4200	3400	2179	1380	630	410	212	110
1.67 V	4800	3880	3194	2120	1360	610	390	212	110
1.70 V	4400	3600	3000	2020	1300	580	370	210	109
1.75 V	4040	3333	2838	1961	1266	548	367	208	109
1.80 V	3570	3030	2597	1887	1212	541	357	200	106
1.85 V	2640	2357	2130	1540	990	510	328	189	103

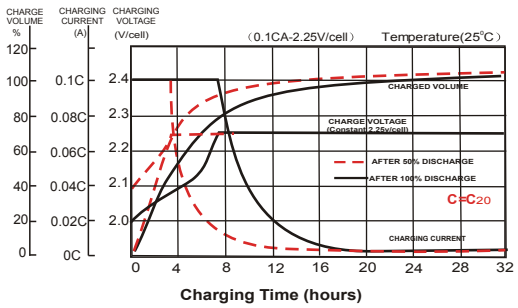
Constant Power Discharge (Watts) at 25°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	6611	4971	3476	2726	1990	1026	645	355	178
1.67 V	6227	4682	3288	2590	1790	1000	633	348	174
1.70 V	5841	4392	3098	2450	16818	971	621	342	171
1.75 V	5453	4100	2906	2308	1586	930	608	335	168
1.80 V	5081	3820	2716	2168	1496	895	577	318	159
1.85 V	4708	3540	2526	2028	1406	860	546	301	150

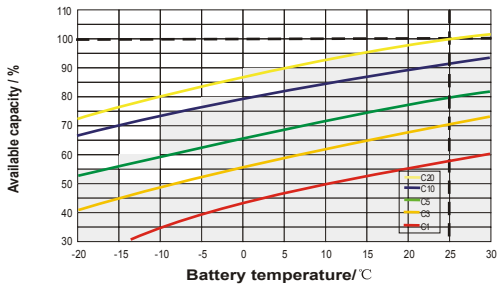
Discharge Characteristics



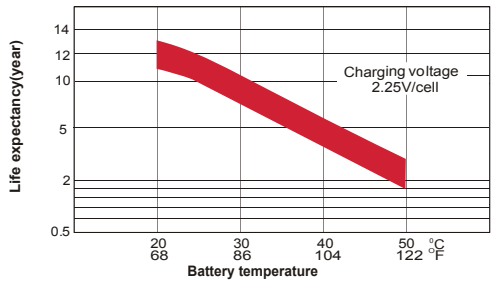
Charging Characteristics



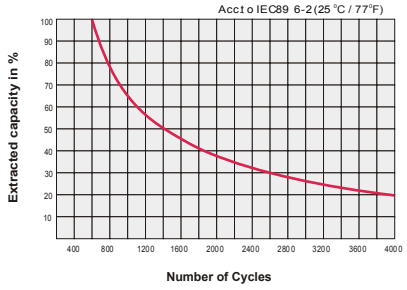
Temperature Effects in Relation to Battery Capacity



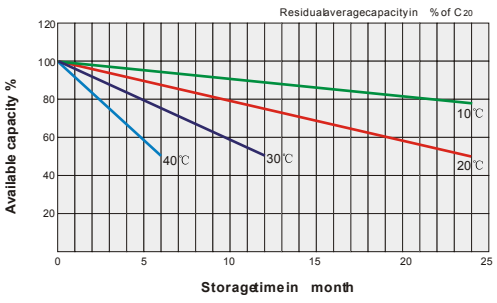
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



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