

CBG17-12

12V 17AH

Deep Cycle Gel Battery



CBG17-12



Physical Specification

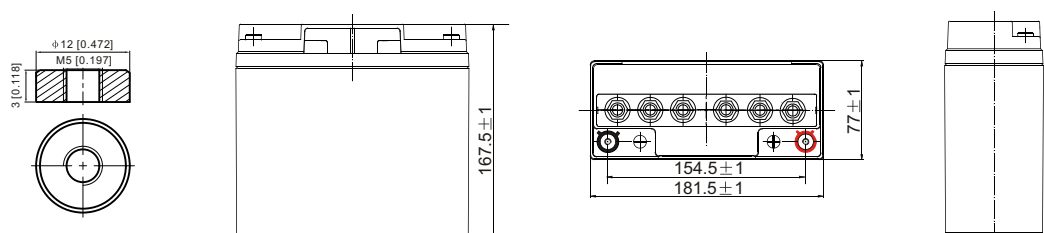
Part Number:	CBG17-12
Length:	181.5 ± 2 mm (7.15 inches)
Width: Container	77 ± 2 mm (3.03 inches)
Height:	167.5± 2 mm (6.59 inches)
Total Height (with terminal):	167.5± 2 mm (6.59 inches)
Approx Weight:	5.8 kg (12.8lbs)

Specifications

	Nominal Voltage	12V	
	(C10,1.80V/cell)	17AH	
Terminal Option	T12		
Container Material	Standard Option	ABS	
	Flame Retardant Option (FR)	ABS (UL94:VO)	
Rated Capacity	(20hr,0.85A, 1.80V/cell)	17.0 Ah	
	(10hr,1.58A,1.75V/cell)	15.8 Ah	
	(5hr,2.72A,1.75V/cell)	13.6 Ah	
	(3hr,3.94A,1.75V/cell)	11.8 Ah	
	(1hr,9.35A,1.67V/cell)	9.35 Ah	
Max Discharge Current (5s)	204A		
Internal Resistance	Approx. 18mΩ		
Discharge Characteristics	Operating Temp. Range	Discharge: -20°C~55°C (-4°F~131°F)	
		Charge: 0°C~40°C (32°F~104°F)	
		Storage: -20°C~50°C (5°F~122°F)	
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)	
	Cycle Use	Initial Charging Current less than 4.25A. Voltage 14.4V~15.0V at 25°C (77°F) Temp.Coefficient -30mV°C	
	Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C (77°F)Temp. Coefficient -20mV°C	
	Capacity affected by Temperature	40°C (104°F)	103%
		25°C (77°F)	100%
0°C (32°F)		86%	
Design Floating Life at 20°C	20 Years		
Self Discharge	Canbat Deep Cycle Gel batteries may be stored for up to 9 months at 25°C (77°F) and then a refresh charge is required. For higher temperatures the time interval will be shorter. Self-discharge is less than 2%		

Dimensions

T12 Terminal



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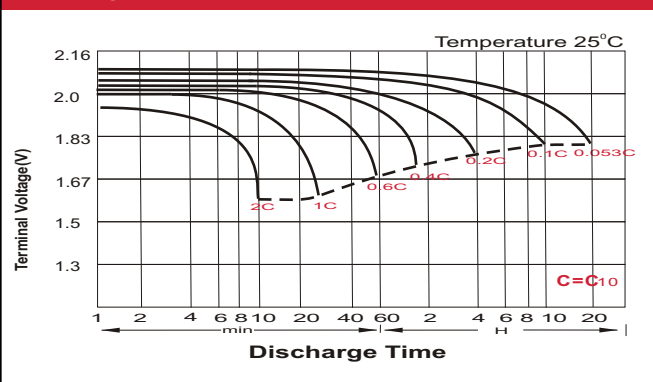
Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	14.4	11.3	8.61	7.21	4.57	3.49	2.89	2.49	2.15	1.90	1.72	1.57	1.48	0.82
1.80V/cell	16.5	12.6	9.50	7.96	4.95	3.73	3.06	2.62	2.26	1.99	1.80	1.65	1.55	0.85
1.75V/cell	18.5	13.9	10.3	8.52	5.24	3.94	3.20	2.72	2.34	2.06	1.86	1.70	1.58	0.87
1.70V/cell	19.9	14.9	10.9	9.01	5.56	4.11	3.31	2.81	2.42	2.13	1.91	1.75	1.62	0.88
1.67V/cell	20.8	15.4	11.3	9.35	5.70	4.24	3.39	2.86	2.46	2.16	1.94	1.77	1.64	0.89
1.60V/cell	22.5	16.5	12.1	9.93	5.93	4.41	3.52	2.95	2.52	2.21	1.98	1.81	1.67	0.90

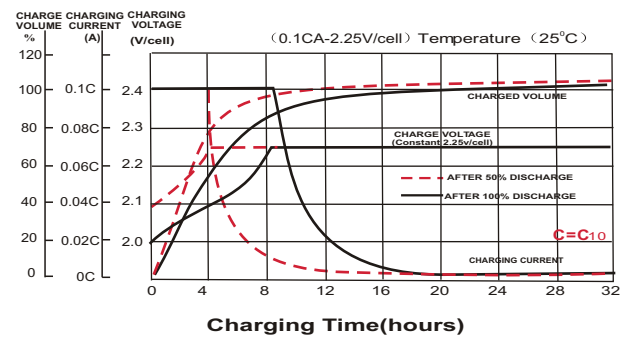
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	27.5	21.8	16.7	14.0	8.94	6.83	5.68	4.92	4.26	3.78	3.42	3.13	2.96	1.63
1.80V/cell	31.1	24.1	18.3	15.4	9.63	7.29	5.99	5.15	4.46	3.95	3.57	3.28	3.09	1.69
1.75V/cell	34.6	26.2	19.6	16.4	10.2	7.68	6.26	5.33	4.60	4.07	3.68	3.37	3.14	1.73
1.70V/cell	36.9	27.9	20.7	17.3	10.7	7.98	6.45	5.48	4.75	4.20	3.78	3.46	3.21	1.75
1.67V/cell	37.9	28.6	21.3	17.8	11.0	8.20	6.59	5.58	4.82	4.25	3.83	3.50	3.25	1.76
1.60V/cell	40.6	30.4	22.7	18.8	11.3	8.49	6.81	5.74	4.92	4.33	3.89	3.57	3.31	1.78

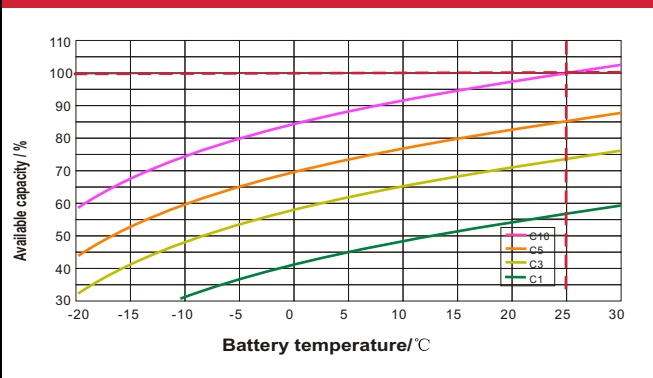
Discharge Characteristics



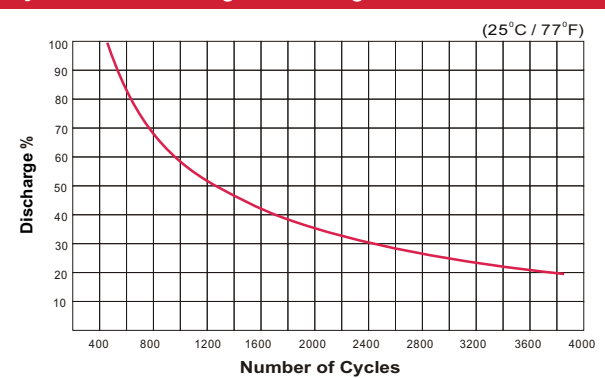
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Cycle Life / Discharge Percentage



Deep Cycle Gel Battery Features

- Ability to deeply discharge
- Maintenance-free
- Spill-free / Spill-proof
- Oxygen recombination technology
- Low self-discharge rate
- Excellent cycle life
- High power and volume ratio
- Unrivalled energy density
- Valve regulated
- Extremely safe operations
- VRLA Gel technology
- High reliability
- Rechargeable lead acid batteries
- Optimum quality
- Developed in Canada