

CBG130-12

12V 130AH

Deep Cycle Gel Battery



CBG130-12



Physical Specification

Part Number:	CBG130-12
Length:	345 ± 2 mm (13.58 inches)
Width: Container	172 ± 2 mm (6.77 inches)
Height:	274 ± 2 mm (10.79 inches)
Total Height (with terminal):	280 ± 2 mm (11.02 inches)
Approx Weight:	47.3 kg (104.3lbs)

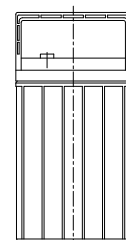
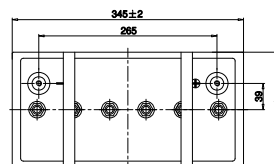
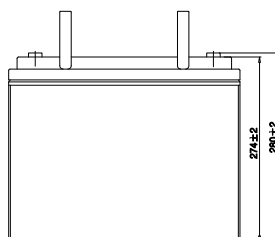
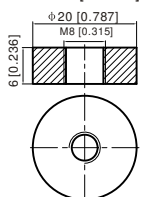
Specifications

	Nominal Voltage	12V
	(C10,1.80V/cell)	130AH
Terminal Option	T11	
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	(20hr,6.50A, 1.80V/cell)	130.0 Ah
	(10hr,12.5A 1.75V/cell)	125.0 Ah
	(5hr,20.8A,1.75V/cell)	104.0 Ah
	(3hr,30.2A,1.75V/cell)	90.6 Ah
	(1hr,71.5A,1.67V/cell)	71.5 Ah
Max Discharge Current (5s)	1170 A	
Internal Resistance	Approx. 4.5mΩ	
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 32.5A. Voltage 14.4V~15.0V at 25°C (77°F) Temp.Coefficient -30mV°C
Design Floating Life at 20°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%
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

T11 Terminal

Unit: mm [inches]



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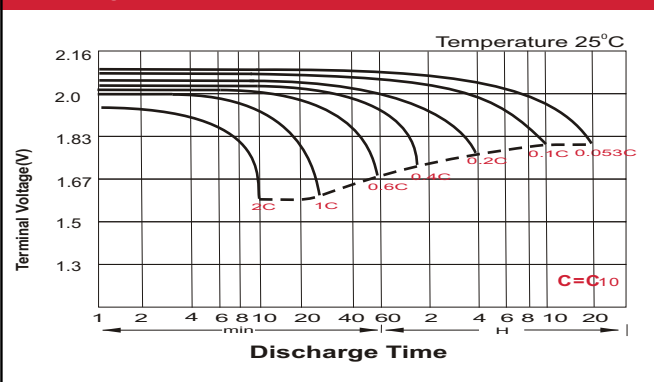
Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	110.0	86.3	65.9	55.1	35.0	26.7	22.1	19.1	16.4	14.6	13.1	12.0	11.3	6.24
1.80V/cell	126.0	96.5	72.6	60.8	37.8	28.6	23.4	20.0	17.3	15.2	13.8	12.6	11.9	6.50
1.75V/cell	141.6	106.1	78.5	65.1	40.1	30.2	24.5	20.8	17.9	15.8	14.2	13.0	12.5	6.63
1.70V/cell	152.5	113.6	83.4	68.9	42.5	31.4	25.3	21.5	18.5	16.3	14.6	13.3	12.8	6.71
1.67V/cell	158.7	118.0	86.3	71.5	43.6	32.4	25.9	21.9	18.8	16.5	14.9	13.5	12.9	6.78
1.60V/cell	172.0	126.4	92.7	75.9	45.4	33.7	26.9	22.6	19.3	16.9	15.1	13.8	13.1	6.88

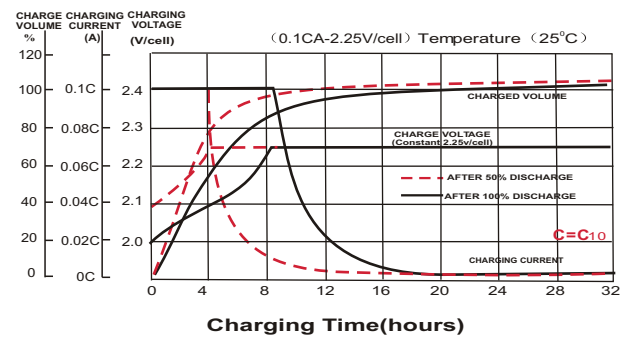
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	210.5	166.3	127.7	107.3	68.3	52.2	43.4	37.6	32.6	28.9	26.1	23.9	22.6	12.5
1.80V/cell	238.0	184.1	139.8	117.8	73.6	55.7	45.8	39.4	34.1	30.2	27.3	25.1	23.6	13.0
1.75V/cell	264.5	200.7	150.1	125.5	77.8	58.8	47.9	40.8	35.2	31.2	28.1	25.8	24.0	13.2
1.70V/cell	281.8	213.0	158.2	132.0	82.0	61.0	49.3	41.9	36.3	32.1	28.9	26.5	24.6	13.4
1.67V/cell	290.0	219.0	162.7	136.2	83.7	62.7	50.4	42.7	36.8	32.5	29.3	26.7	24.8	13.5
1.60V/cell	310.8	232.2	173.4	143.9	86.7	64.9	52.1	43.9	37.6	33.1	29.7	27.3	25.3	13.6

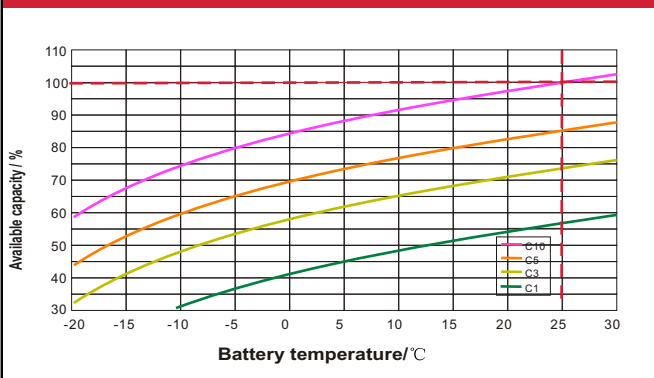
Discharge Characteristics



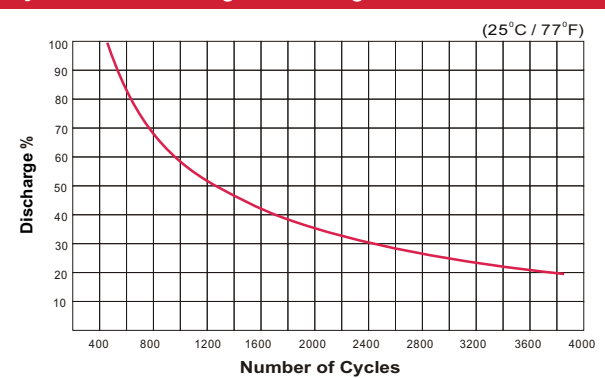
Float Charging Characteristics



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