CBG65-12
12V 65AH
Deep Cycle Gel Battery

CANBAT

CBG65-12

Physical Specification

Part Number:	**CBG65-12**
Length:	**325 ± 2 mm (12.8 inches)**
Width: Container	**167 ± 2 mm (6.57 inches)**
Height:	**174 ± 2 mm (6.85 inches)**
Total Height (with terminal):	**174 ± 2 mm (6.85 inches)**
Approx Weight:	**24.0 kg (52.9lbs)**

Specifications

	Nominal Voltage	12V
	(C10,1.80V/cell)	65AH
Terminal Option	T6	
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	(20hr,3.25A, 1.80V/cell)	65.0 Ah
	(10hr,6.05A,1.75V/cell)	60.5 Ah
	(5hr,10.4A,1.75V/cell)	52.0 Ah
	(3hr,15.1A,1.75V/cell)	45.3 Ah
	(1hr,35.8A,1.67V/cell)	35.8 Ah
Max Discharge Current (5s)	650 A	
Internal Resistance	Approx. 7.9mΩ	
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 16.25A. 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

T6 Terminal
Unit: mm [inches]
φ 16 [0.63]
M6 [0.236]
6 [0.236]
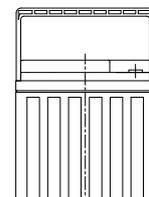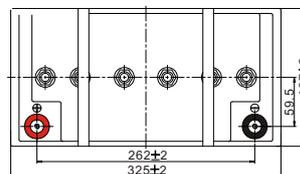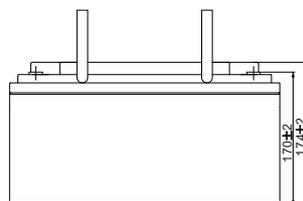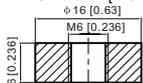
170±2
174±2
262±2
325±2
59.5
167±2

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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	55.0	43.2	32.9	27.6	17.5	13.3	11.0	9.53	8.22	7.28	6.57	6.00	5.67	3.12
1.80V/cell	63.0	48.2	36.3	30.4	18.9	14.3	11.7	10.0	8.63	7.62	6.88	6.31	5.93	3.25
1.75V/cell	70.8	53.0	39.3	32.6	20.1	15.1	12.3	10.4	8.94	7.89	7.10	6.50	6.05	3.32
1.70V/cell	76.2	56.8	41.7	34.5	21.3	15.7	12.7	10.7	9.25	8.15	7.31	6.67	6.19	3.36
1.67V/cell	79.4	59.0	43.2	35.8	21.8	16.2	13.0	10.9	9.40	8.27	7.43	6.76	6.26	3.39
1.60V/cell	86.0	63.2	46.4	38.0	22.7	16.9	13.5	11.3	9.63	8.45	7.56	6.90	6.38	3.44

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	105.3	83.2	63.9	53.7	34.2	26.1	21.7	18.8	16.3	14.5	13.1	12.0	11.3	6.23
1.80V/cell	119.0	92.1	69.9	58.9	36.8	27.9	22.9	19.7	17.0	15.1	13.7	12.5	11.8	6.48
1.75V/cell	132.2	100.3	75.0	62.8	38.9	29.4	23.9	20.4	17.6	15.6	14.1	12.9	12.0	6.60
1.70V/cell	140.9	106.5	79.1	66.0	41.0	30.5	24.7	21.0	18.2	16.1	14.5	13.2	12.3	6.68
1.67V/cell	145.0	109.5	81.3	68.1	41.9	31.3	25.2	21.3	18.4	16.3	14.6	13.4	12.4	6.74
1.60V/cell	155.4	116.1	86.7	71.9	43.4	32.4	26.0	21.9	18.8	16.6	14.9	13.6	12.6	6.82

Discharge Characteristics
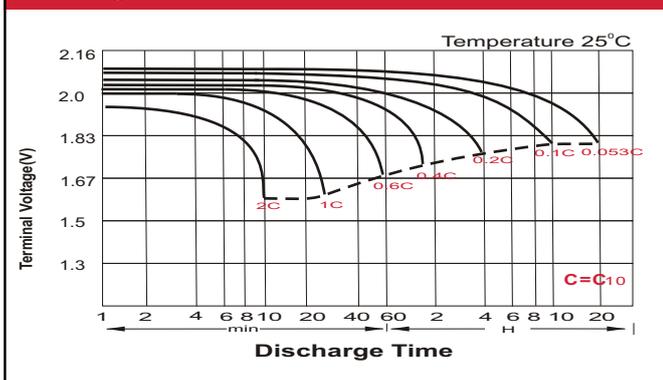
Float Charging Characteristics
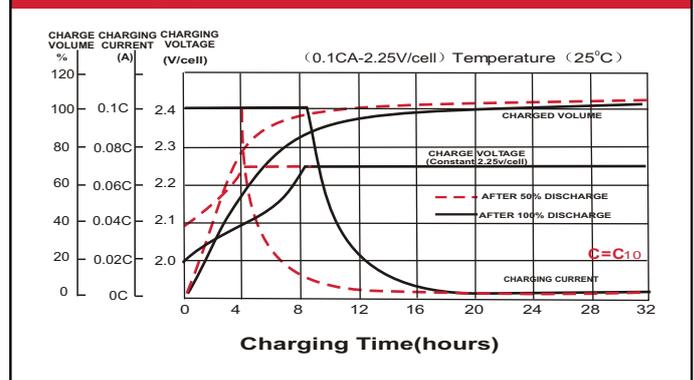
Temperature Effects in Relation to Battery Capacity
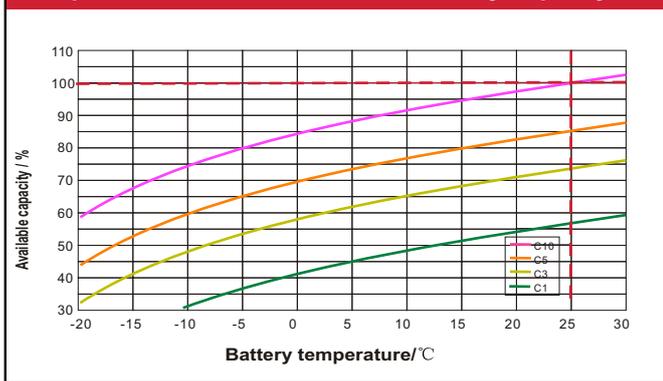
Cycle Life / Discharge Percentage
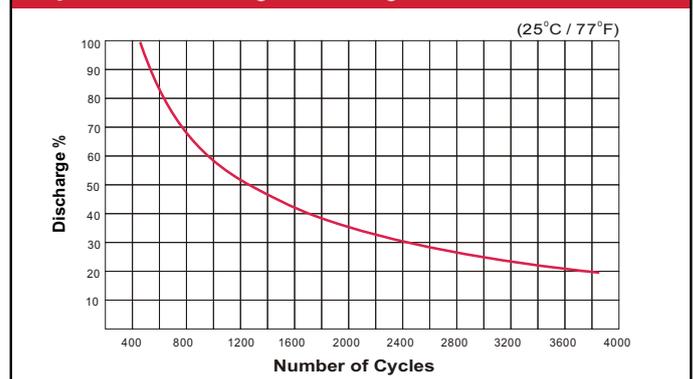
Deep Cycle Gel Battery Features

- 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