



CBG300-2

Awaiting Image

Physical Specification

Part Number: **CBG300-2**

Length: **170 ± 2 mm**

Width: **150 ± 2 mm**

Container Height: **328 ± 2 mm**

Total Height (with terminal): **337 ± 2 mm**

Approx Weight: **Approx 19.10 kg**

Specifications

	Nominal Voltage	2V
	Nominal Capacity (10HR)	300AH
Terminal Type	Standard Terminal	T11
	Optional Terminal	-
Container Material	Standard Option	ABS
Rated Capacity	326.6 AH/16.33A	(20hr, 1.80V/cell, 25°C / 77°F)
	300.0 AH/30.0A	(10hr, 1.80V/cell, 25°C / 77°F)
	263.5 AH/52.7A	(5hr, 1.75V/cell, 25°C / 77°F)
	179.6 AH/179.6A	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	2100A (5s)	
Internal Resistance	Approx 0.75m Ω	
Discharge Characteristics	Operating Temp. Range	Discharge: -20 ~ 55°C
		Charge: -10 ~ 45°C
		Storage: -20 ~ 50°C
	Nominal Operating Temp. Range	25 ± 3°C
	Cycle Use	Initial Charging Current less than 75.0A Voltage 2.40V ~ 2.50V Temp. Coefficient -5mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 2.25V ~ 2.30V Temp. Coefficient -3mV/°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	12+ Years	
Self Discharge	Canbat batteries may be stored for up to 6 months at 25°C(°77F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

■ **T11 Terminal**

Unit: mm [inches]

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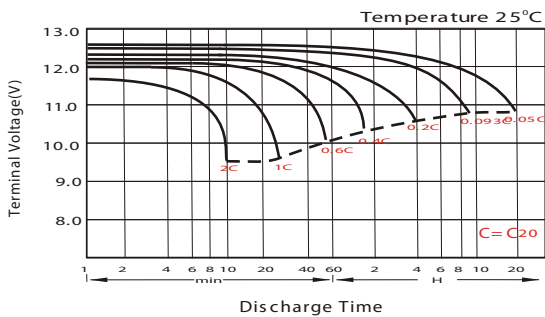
Constant Current Discharge (Amperes) at 20 °C

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	266.3	209.4	159.6	138.7	88.5	70.1	55.9	48.2	41.6	36.9	33.3	30.4	28.7	15.67
1.80V/cell	305.8	233.9	176.3	153.1	95.8	75.0	59.2	50.7	43.7	38.6	34.9	32.0	30.0	16.33
1.75V/cell	343.5	257.1	190.2	163.5	101.5	79.3	62.1	52.7	45.3	40.0	36.0	32.9	30.6	16.65
1.70V/cell	370.1	275.5	202.0	173.3	107.6	82.6	64.1	54.2	46.8	41.3	37.0	33.8	31.3	16.88
1.67V/cell	384.8	286.5	209.4	179.6	110.4	85.2	65.7	55.4	47.6	41.9	37.6	34.3	31.7	17.04
1.60V/cell	416.9	306.1	224.9	190.7	114.8	88.6	68.1	57.1	48.8	42.8	38.3	35.0	32.3	17.28

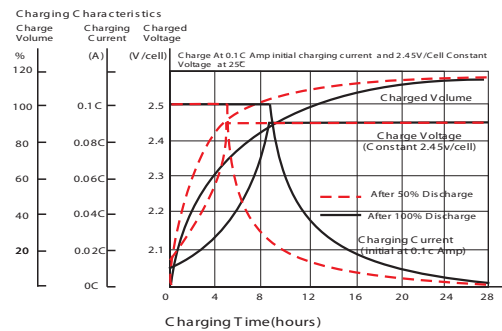
Constant Power Discharge (Watts) at 20 °C

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	505.8	400.3	307.1	267.9	171.5	136.2	109.1	94.5	81.8	72.7	65.7	60.0	56.9	31.0
1.80V/cell	573.1	443.0	336.1	294.2	184.8	145.4	115.2	99.0	85.7	75.8	68.6	63.1	59.3	32.3
1.75V/cell	636.4	481.6	359.3	312.6	195.2	153.3	120.3	102.3	88.3	78.3	70.7	64.9	60.4	32.9
1.70V/cell	678.4	512.4	380.2	330.1	206.1	159.1	123.8	105.2	91.3	80.7	72.7	66.5	61.8	33.3
1.67V/cell	697.3	525.8	390.5	339.4	210.2	163.5	126.5	107.0	92.5	81.7	73.5	67.2	62.4	33.6
1.60V/cell	747.2	558.1	417.2	358.5	217.7	169.3	130.8	110.0	94.5	83.2	74.7	68.5	63.5	34.0

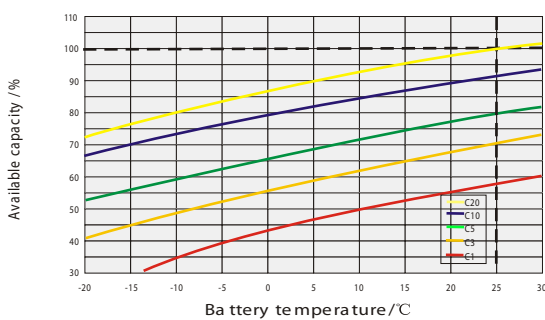
Discharge Characteristics



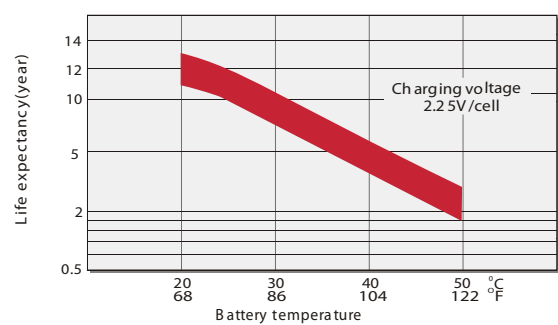
Float Charging Characteristics



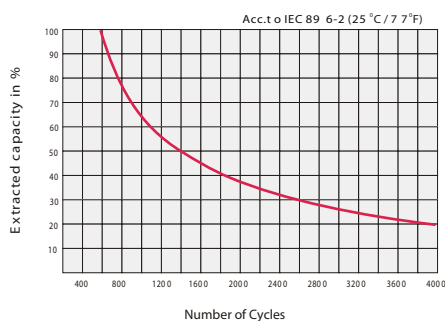
Temperature Effects in Relation to Battery Capacity



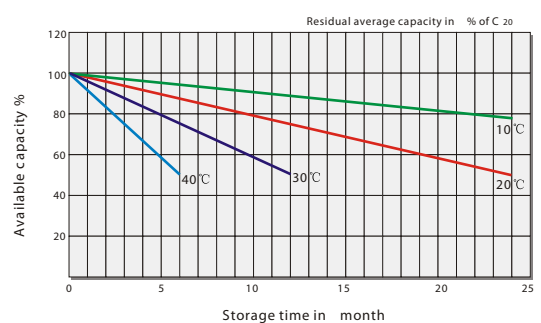
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



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