

CBG600-2

2V 600AH
Deep Cycle Gel



CBG600-2

Awaiting Image

Physical Specification

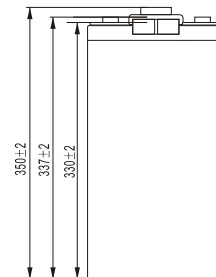
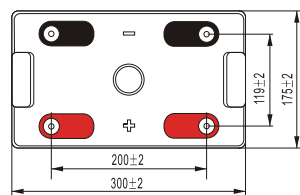
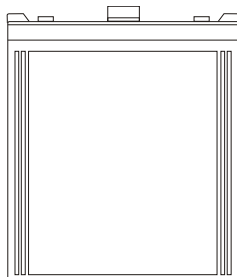
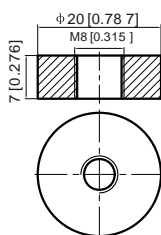
Part Number	CBG600-2
Length	300 ± 2 mm
Width	175 ± 2 mm
Container Height	330 ± 2 mm
Total Height (with terminal)	350 ± 2 mm
Approx Weight	36.5 kg

Specifications

	Nominal Voltage	2V
	Nominal Capacity (20HR)	600AH
Terminal Type	Standard Terminal	T11
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	20hr, 1.80V/cell, 25°C	640.0 AH/32.0A
	10hr, 1.80V/cell, 25°C	600.0 AH/60.00A
	5hr, 1.75V/cell, 25°C	516.0 A H/103.2A
	1hr, 1.60V/cell, 25°C	352.0 AH/352.0A
Max Discharge Current	4200A (5s)	
Internal Resistance	0.62mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -20 ~ 55°C
		Charge: 0 ~ 40°C
		Storage: -20 ~ 50°C
	Nominal Operating Temp. Range	25 ± 3°C
	Cycle Use	Initial Charging Current less than 150.0AA.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 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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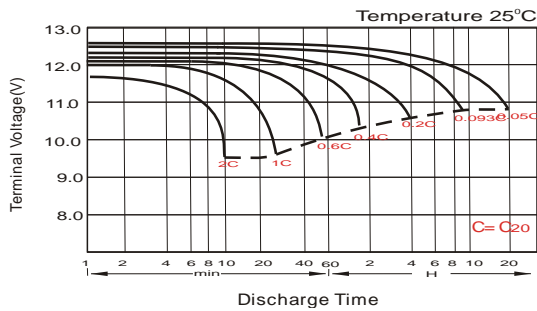
Constant Current Discharge (Amperes) at 20°C

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	522.0	410.4	312.8	271.8	173.4	132.2	109.5	94.6	81.6	72.3	65.2	59.5	56.3	30.7
1.80V/cell	599.4	458.4	345.6	300.0	187.8	141.6	116.1	99.4	85.7	75.6	68.3	62.7	58.9	32.0
1.75V/cell	673.2	504.0	372.8	320.4	198.9	149.6	121.7	103.2	88.7	78.3	70.5	64.5	60.0	32.6
1.70V/cell	725.4	540.0	396.0	339.6	210.9	155.8	125.6	106.3	91.8	80.9	72.6	66.2	61.4	33.1
1.67V/cell	754.2	561.6	410.4	352.0	216.3	160.8	128.7	108.6	93.3	82.1	73.7	67.1	62.2	33.4
1.60V/cell	817.2	600.0	440.8	373.8	225.0	167.2	133.5	112.0	95.6	83.8	75.0	68.5	63.4	33.9

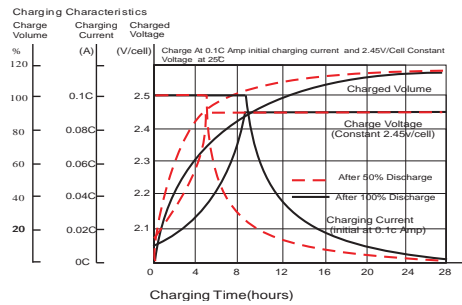
Constant Power Discharge (Watts) at 20°C

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	991.3	784.7	601.8	525.1	336.2	257.0	213.7	185.2	160.4	142.4	128.7	117.7	111.5	60.9
1.80V/cell	1123.3	868.2	658.7	576.6	362.3	274.3	225.7	194.0	167.9	148.5	134.5	123.6	116.2	63.3
1.75V/cell	1247.4	944.0	704.2	612.6	382.7	289.2	235.8	200.5	173.1	153.5	138.5	127.1	118.4	64.5
1.70V/cell	1329.7	1004.4	745.3	646.9	403.9	300.2	242.7	206.2	178.9	158.3	142.4	130.3	121.1	65.3
1.67V/cell	1366.6	1030.5	765.4	665.3	412.1	308.6	248.0	209.8	181.3	160.1	144.1	131.8	122.3	65.8
1.60V/cell	1464.4	1093.8	817.7	702.7	426.6	319.4	256.5	215.6	185.2	163.0	146.5	134.3	124.5	66.7

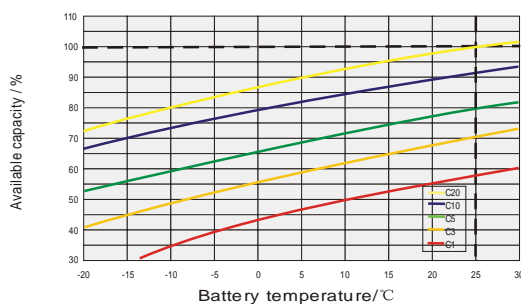
Discharge Characteristics



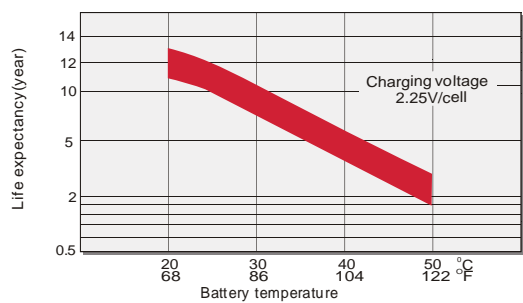
Float Charging Characteristics



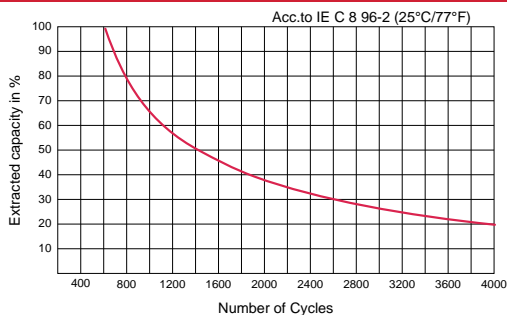
Temperature Effects in Relation to Battery Capacity



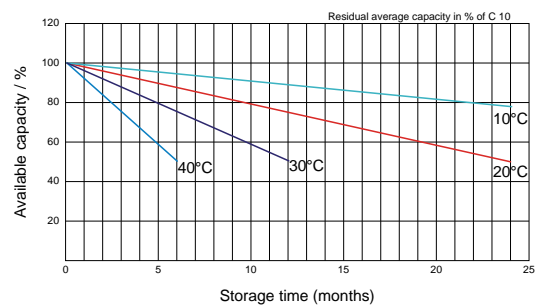
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



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