

CBG 27-12

12V 27AH

Deep Cycle Gel



CBG27-12

Awaiting Image

Physical Specification

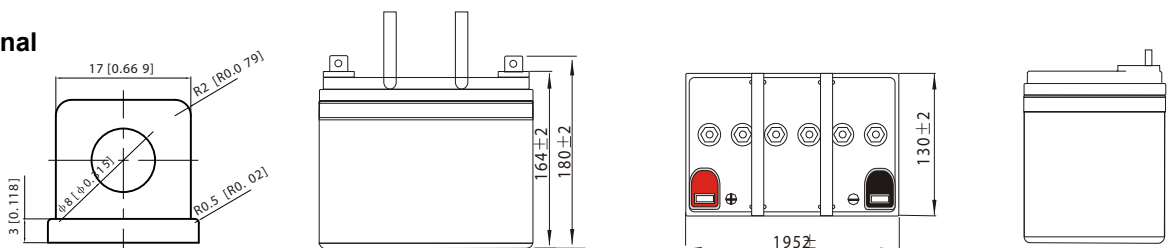
Part Number:	CBG27-12
Length:	195 ± 2 mm
Width:	130 ± 2 mm
Container Height:	164 ± 2 mm
Total Height (with terminal):	180 ± 2 mm
Approx Weight:	Approx 9kg

Specifications

	Nominal Voltage	12V	
	Nominal Capacity (20HR)	26.0AH	
Terminal Type	Standard Terminal	T5	
	Optional Terminal	T6	
Container Material	Standard Option	ABS	
	Flame Retardant Option (FR)	ABS (UL94:VO)	
Rated Capacity	28.0 AH/1.50A	(20hr, 1.80V/cell, 25°C / 77°F)	
	27.0 AH/2.70A	(10hr, 1.80V/cell, 25°C / 77°F)	
	24.0 A H/4.80A	(5hr, 1.75V/cell, 25°C / 77°F)	
	20.1 AH/6.69A	(3hr, 1.75V/cell, 25°C / 77°F)	
	17.1 AH/17.1A	(1hr, 1.60V/cell, 25°C / 77°F)	
Max Discharge Current	300A (5s)		
Internal Resistance	Approx 14.5mΩ		
Discharge Characteristics	Operating Temp. Range	Discharge: -20 ~ 55°C (-4 ~ 131°F)	
		Charge: 0 ~ 40°C (32 ~ 104°F)	
		Storage: -20 ~ 50°C (-4 ~ 122°F)	
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)	
	Cycle Use	Initial Charging Current less than 7.5A. 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	12 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

T5 Terminal



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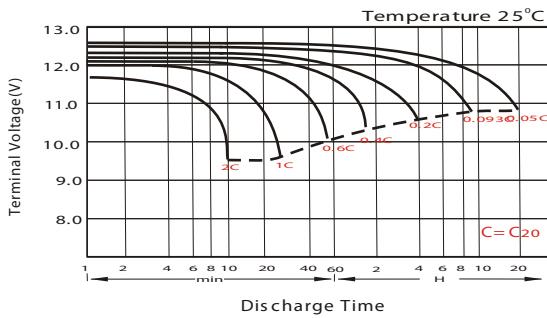
Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	25.4	19.9	15.2	13.2	8.07	6.15	5.09	4.40	3.80	3.36	3.03	2.77	2.53	1.44
1.80V/cell	29.1	22.3	16.8	14.6	8.73	6.59	5.40	4.62	3.99	3.52	3.18	2.91	2.65	1.50
1.75V/cell	32.7	24.5	18.1	15.6	9.26	6.96	5.66	4.80	4.13	3.64	3.28	3.00	2.70	1.53
1.70V/cell	35.2	26.2	19.2	16.5	9.81	7.25	5.84	4.95	4.27	3.76	3.38	3.08	2.76	1.55
1.67V/cell	36.6	27.2	19.9	17.1	10.1	7.48	5.99	5.05	4.34	3.82	3.43	3.12	2.80	1.56
1.60V/cell	39.7	29.2	21.4	18.2	10.5	7.78	6.21	5.21	4.45	3.90	3.49	3.19	2.85	1.59

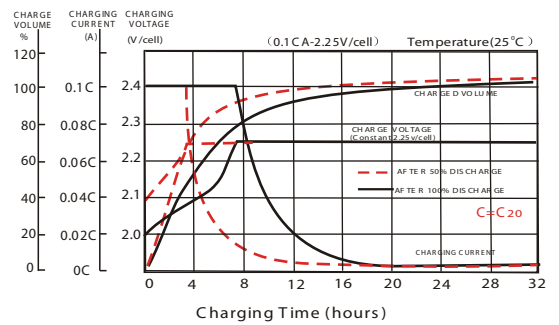
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	48.6	38.4	29.5	25.7	15.8	12.0	10.0	8.68	7.52	6.67	6.03	5.52	5.05	2.87
1.80V/cell	54.9	42.5	32.3	28.2	17.0	12.9	10.6	9.09	7.87	6.96	6.30	5.79	5.27	2.99
1.75V/cell	61.0	46.3	34.6	30.0	17.9	13.6	11.0	9.41	8.12	7.19	6.49	5.96	5.37	3.05
1.70V/cell	65.0	49.2	36.5	31.6	18.9	14.1	11.4	9.68	8.39	7.42	6.67	6.11	5.49	3.08
1.67V/cell	66.9	50.5	37.5	32.6	19.3	14.5	11.6	9.85	8.50	7.50	6.76	6.17	5.54	3.11
1.60V/cell	71.7	53.6	40.0	34.4	20.0	15.0	12.0	10.1	8.68	7.64	6.86	6.29	5.64	3.15

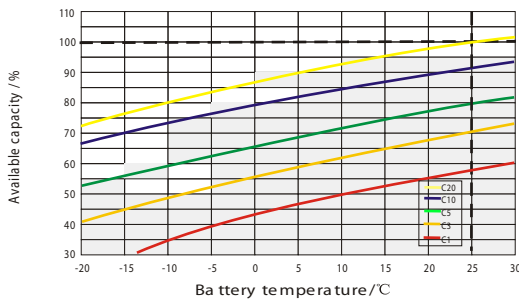
Discharge Characteristics



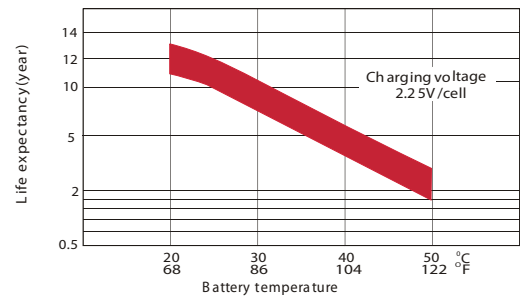
Float Charging Characteristics



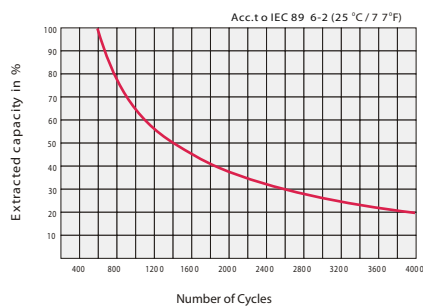
Temperature Effects in Relation to Battery Capacity



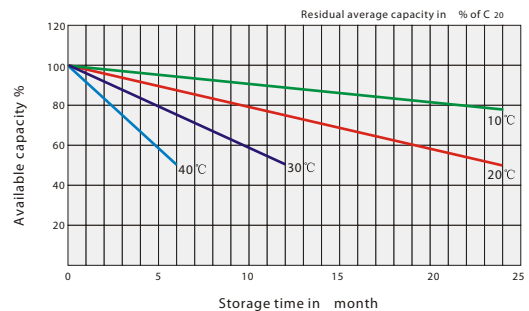
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



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