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PowerStar™

CB200-12 ▶ 12V 200Ah

CB200-12 is a general purpose battery up to 5 years in standby service or more than 260 cycles at 100% discharge in cycle service. As with all baace batteries, all are rechargeable, highly efficient, leak proof and maintenance free.



Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	200Ah @ 20hr-rate to 1.75V per cell @25°C (77°F)
Weight	Approx. 53.0 kg(116.86 lbs)
Maximum Discharge Current	1200A(5sec)
Internal Resistance	Approx. 2.9 mΩ
Operating Temperature Range	Discharge: -15°C~50°C (5°F~122°F) Charge: -15°C~40°C (5°F~104°F) Storage: -15°C~40°C (5°F~104°F)
Nominal Operating Temperature Range	25°C±3°C (77°F±5°F)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25°C (77°F)
Recommended Maximum Charging Current Limit	60A
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25°C (77°F)
Self Discharge	Baace Batteries can be stored for more than 6 months at 25°C (77°F). Please charge batteries before using. For higher temperatures the time interval will be shorter.
Terminal	L terminal (M8 bolt) or Recessed type (M8 bolt)
Container Material	Polypropylene(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request.



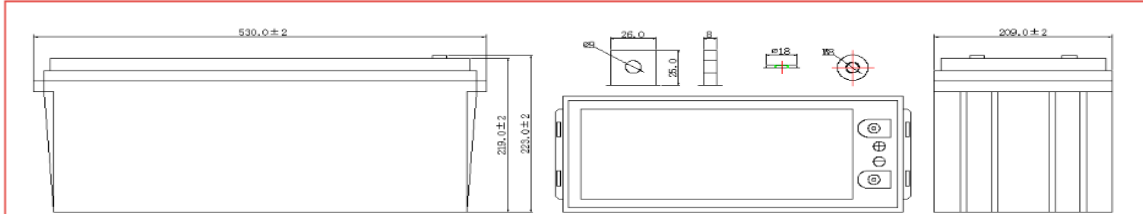
CTK20141211018



Baace-manufactured VRLA (Absorbent Glass Mat type) batteries are UL-recognized components under UL1989.

Baace is also certified by ISO 9001 and ISO 14001.

Dimensions :	Overall Height (H)	Container height (h)	Length (L)	Width (W)
Unit: mm (inch)	223±2.5 (8.78±0.1)	219±2.5 (8.62±0.1)	530±2.5 (20.87±0.1)	209±2 (8.23±0.08)



Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

終止電圧 (V/セル)	5 min	10 min	15 min	20 min	30 min	40 min	50 min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.60	540.8	405.1	333.2	282.2	195.6	159.1	133.9	124.0	91.79	73.93	54.72	43.90	37.25	32.36	25.68	21.13
1.65	503.4	383.8	318.1	270.7	190.4	155.1	130.7	120.3	89.36	72.12	53.33	43.03	36.44	31.81	25.25	20.86
1.70	478.4	364.4	298.7	257.6	184.5	150.6	126.1	115.4	87.19	70.41	52.17	42.07	35.64	31.13	24.89	20.59
1.75	444.6	343.0	282.7	242.0	176.0	144.7	121.2	110.0	84.69	69.09	50.96	41.31	35.01	30.58	24.46	20.28
1.80	421.5	322.5	269.2	231.2	168.4	138.2	116.5	106.0	82.88	67.71	50.00	40.63	34.29	30.01	24.13	20.00

Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

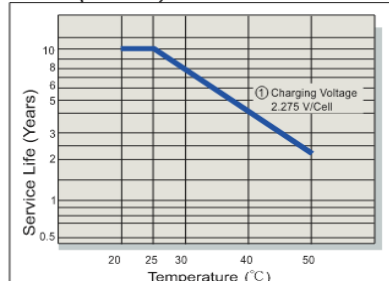
終止電圧 (V/セル)	5 min	10 min	15 min	20 min	30 min	40 min	50 min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.60	902.8	688.3	586.3	496.3	370.3	298.6	251.0	221.6	179.4	149.0	114.3	88.88	74.76	65.43	53.02	43.15
1.65	836.9	656.1	558.6	478.3	356.4	289.9	244.4	216.2	175.1	146.3	112.1	87.56	73.53	64.38	52.20	42.42
1.70	799.9	622.5	537.0	461.8	344.2	281.0	237.9	210.2	170.9	143.5	110.0	86.20	72.55	63.53	51.52	41.81
1.75	763.9	591.4	512.4	442.3	332.3	270.6	231.7	204.9	167.5	141.1	107.8	84.72	71.35	62.70	50.75	41.15
1.80	724.5	564.8	494.9	427.0	320.7	261.0	225.7	199.6	163.3	138.1	106.2	83.08	70.07	61.76	49.97	40.50

Ratings presented herein are subject to revision without notice. Please refer to www.baacebattery.com to confirm the latest version.

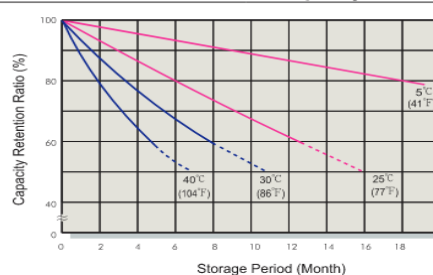
CB200-12

12V 200Ah

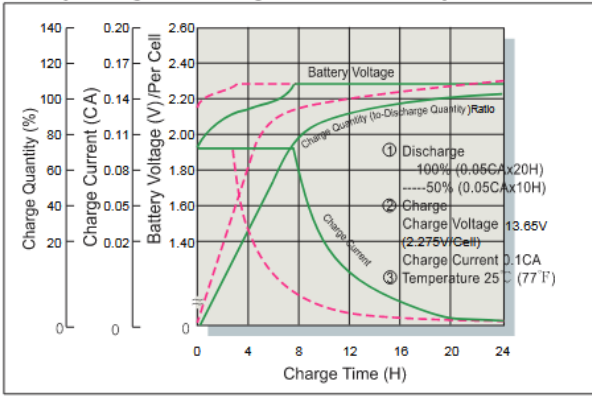
Trickle (or Float) Service Life



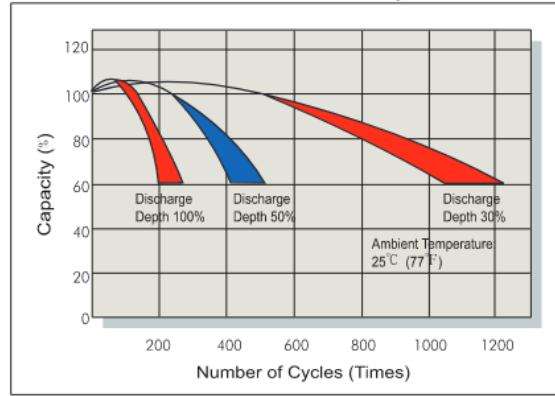
Capacity Retention Characteristic



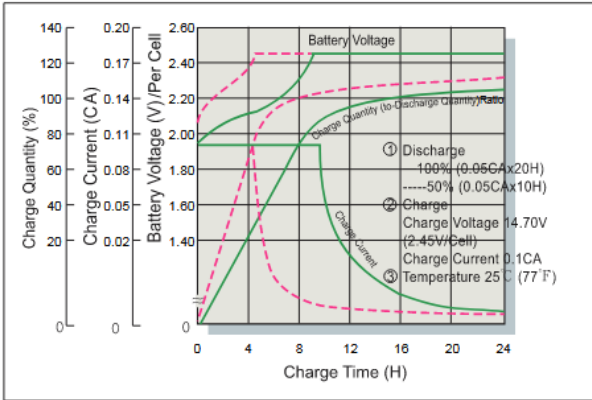
Battery Voltage and Charge Time for Standby Use



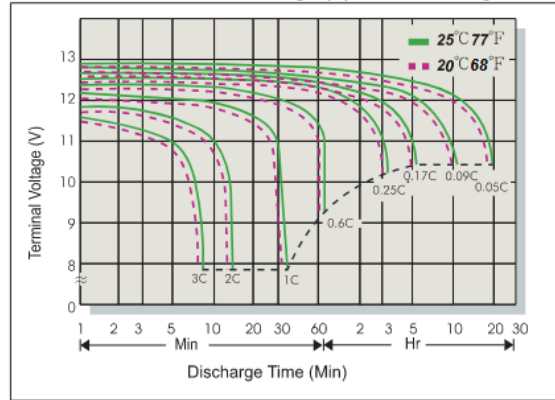
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time



Charging Procedures

Application	Charge Voltage(V/Cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C (77°F)	2.45	2.40-2.50	0.3C
Standby	25°C (77°F)	2.275	2.25-2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

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Effect of temperature on capacity (20HR)

Temperature	Dependency of Capacity (20HR)
40 °C	102%
25 °C	100%
0 °C	85%
-15 °C	65%

Self-discharge Characteristics

Charge Voltage(V/Cell)	Charge Voltage(V/Cell)
3 Months	91%
6 Months	82%
12 Months	64%