

ZELUS

GEL Technology Battery

GBC Deep Cycling

GBC 12/135

12V, 135Ah/C5

FEATURES

- GBC was designed with solid lead plated and gelled electrolyte technology.
- A deep-cycle lead-acid battery is designed to deliver a maximum capacity and cycles as discharging.
- High temperature stability, mechanical strength and low acid displacement.
- Superior performance with deep discharges.
- Patented safety valve to have accurate pressure operating for long battery life.

APPLICATION

- Golf Cars
- Power Wheelchairs
- Floor Sweepers
- Recreational Vehicle (RV)
- Renewable Energy



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	135 Ah @ 5 hour rate F.V.(1.70V/cell)
Approx. Weight	55Kg(121.3lbs.)
Terminals	B9 (Fitting M8 bolt & nut) I3 is optional
Internal Resistance	≤5.0m Ω (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	27.0 A
Self Discharge	< 2% per month (25°C)
Operating Temperature Range	-20°C~-55°C(-4°F~131°F)
Container Material	Standard: ABS(UL 94-HB) GBC 12/135 Optional: Flame Retardant ABS(UL 94-V0) GBC 12/135FR

ISO9001  MH19884

ISO14001  C4M20310-2474-E-16

OHSMS

- GB/T 7403.1-2008
- IEC60254-1: 2005

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

522±2.0 (20.55±0.08)

Width

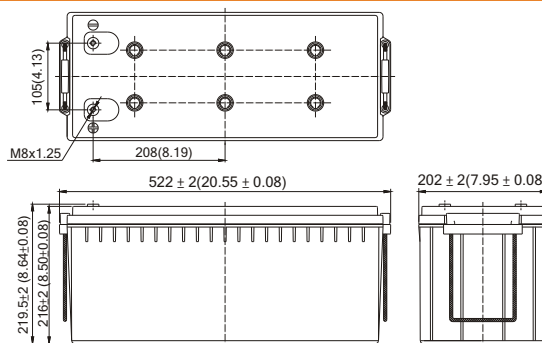
202±2.0 (7.95±0.08)

Container Height

216±2.0 (8.50±0.08)

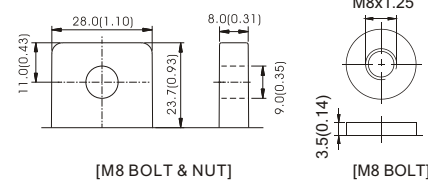
Total Height

219.5±2.0 (8.64±0.08)



● Terminal B9

● Terminal I3



Terminal Hardware Initial Torque: B9,I3(10.0Nm±5%)

Constant power discharge characteristics at 25 °C/77 °F

Unit: W

Discharge Time F.V. (V/cell)	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	1678	994	430.7	316.1	166.3	88.6
1.75V	1704	1022	437.6	320.8	169.9	88.9
1.70V	1716	1046	442.5	323.6	171.4	90.7
1.65V	1720	1056	447.2	324.9	172.0	90.8
1.60V	1723	1067	449.6	325.7	172.3	90.9

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

Discharge Time F.V. (V/cell)	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	136.5	83.8	35.89	26.36	13.86	7.38
1.75V	138.4	86.4	36.45	26.76	14.16	7.39
1.70V	139.3	88.3	36.86	27.00	14.29	7.56
1.65V	141.0	89.4	37.26	27.13	14.33	7.58
1.60V	142.1	89.8	37.46	27.19	14.36	7.61

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.

For operation, please refer to the instruction from technical manual.

Trial A/1 REV. Mar. 2014

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B.B. Battery Co., Ltd.