

ZELUS

GEL Technology Battery

— GBC Deep Cycling

GBC 12/100

12V, 100Ah/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.

APPLICATIONS

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



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100 Ah @ 5 hour rate F.V.(1.70V/cell)
Approx. Weight	39Kg(85.98lbs.)
Terminals	I2
Internal Resistance	$\leq 5.0m\ \Omega$ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	20.0 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 12/100 Optional: Flame Retardant ABS(UL 94-V0) GBC 12/100FR

Certificate as below:



Compliance of the standards as below:

- GB/T 7403.1
- IEC60254-1

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

407±2.0 (16.02±0.08)

Width

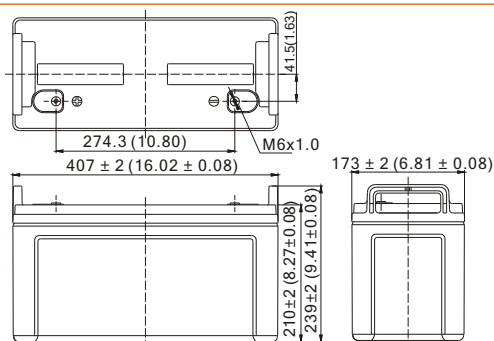
173±2.0 (6.81±0.08)

Container Height

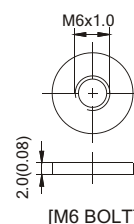
210±2.0 (8.27±0.08)

Total Height

239±2.0 (9.41±0.08)



- Terminal I2



Terminal Hardware Initial Torque: I2(5.5Nm±5%)

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

Unit: W

F.V. (V/cell)	Discharge Time	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		1283	759	331	233.8	124.5	65.5
1.75V		1303	782	338	237.3	126.4	66.5
1.70V		1313	799	342	239.3	127.4	67.0
1.65V		1318	808	345	240.1	127.8	67.2
1.60V		1318	816	347	240.8	127.8	67.2

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

Unit: A

F.V. (V/cell)	Discharge Time	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		110.7	64.7	27.8	19.54	10.38	5.46
1.75V		112.9	66.7	28.3	19.83	10.53	5.54
1.70V		114.3	68.1	28.7	20.00	10.62	5.59
1.65V		115.7	68.9	28.9	20.07	10.65	5.60
1.60V		116.3	69.6	29.0	20.13	10.65	5.60

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

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

Trial B/0 REV. May. 2025

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