

ZELUS

GEL Technology Battery

— GBC Deep Cycling

GBC 12/85

12V, 85Ah/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	85 Ah @ 5 hour rate F.V.(1.70V/cell)
Approx. Weight	35.5Kg(78.26lbs.)
Terminals	B3 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	$\leq 5m\Omega$ (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: PP(UL94 HB) GBC 12/85 Optional: Flame Retardant PP(UL94 V-0) GBC 12/85FR

Certificate as below:


MH19884



Compliance of the standards as below:

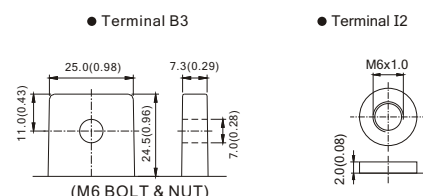
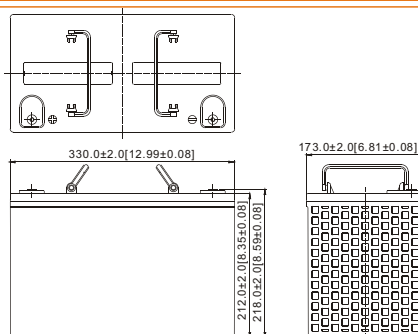
- GB/T 7403.1
- IEC60254-1

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
330±2.0 (12.99±0.08)
- **Width**
173±2.0 (6.81±0.08)
- **Container Height**
212±2.0 (8.35±0.08)
- **Total Height**
B3: 241±2.0 (9.49±0.08)
I2: 218±2.0 (8.59±0.08)



Terminal Hardware Initial Torque:
B3,I2(5.5Nm±5%)

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

Unit: W

Discharge Time F.V.	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	1150.6	681.5	287.1	199.05	111.72	59.07
10.5V	1167.6	702.6	291.6	203.74	114.18	59.56
10.2V	1176.6	716.0	294.8	202.06	113.43	59.99
9.9V	1180.6	724.1	298.4	204.45	114.87	60.58
9.6V	1186.6	731.1	299.4	205.05	114.87	60.58

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

Unit: A

Discharge Time F.V.	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	99.2	57.5	23.9	16.60	9.32	4.93
10.5V	100.5	59.3	24.3	16.85	9.44	4.93
10.2V	101.2	60.5	24.6	16.99	9.54	5.04
9.9V	103.2	61.3	24.9	17.08	9.57	5.05
9.6V	103.7	61.6	25.0	17.12	9.57	5.05

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/1 REV. May. 2025

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