

# ZELUS

## GEL Technology Battery

### GBC Deep Cycling

# GBC 12/70

## 12V, 70Ah/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	70 Ah @ 5 hour rate F.V.(1.70V/cell)
Approx. Weight	29500g(65.04lbs.)
Terminals	I2
Internal Resistance	≤6mΩ (Fully Charged )
Max. Discharge Current	700 A (5 sec.)
Max. Charge Current	14.0 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 12/70 Optional: Flame Retardant ABS(UL 94-V0) GBC 12/70FR



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

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

#### Length

329.0±2 (12.95±0.08)

#### Width

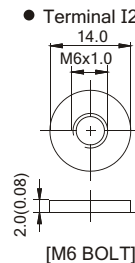
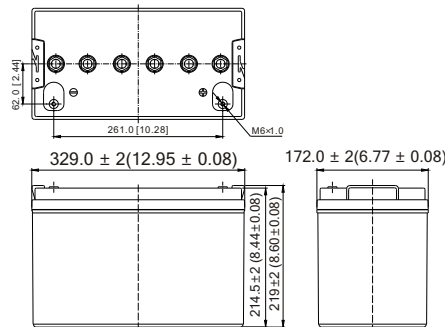
172.0±2(6.77±0.08)

#### Container Height

214.5±2(8.44±0.08)

#### Total Height

219.0±2 (8.60±0.08)



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	911	546	237	163.9	88.0	46.80	
1.75V	974	559	241	166.4	89.1	47.64	
1.70V	1005	572	243	167.8	90.1	48.11	
1.65V	1017	578	245	168.5	90.7	48.24	
1.60V	1024	579	246	168.9	90.8	48.36	

### 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	76.3	45.8	19.88	13.67	7.36	3.92	
1.75V	81.6	46.9	20.15	13.88	7.47	3.99	
1.70V	84.2	47.9	20.33	14.00	7.55	4.03	
1.65V	85.2	48.3	20.46	14.07	7.59	4.04	
1.60V	85.8	48.5	20.58	14.10	7.61	4.05	

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.

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