

# ZELUS

## GEL Technology Battery

■ GBC Deep Cycling

# GBC 12/37.5

## 12V, 37.5Ah/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	37.5 Ah @ 5 hour rate F.V.(1.70V/cell)
Approx. Weight	16.1Kg(52.91lbs.)
Terminals	I2
Internal Resistance	≤8mΩ (Fully Charged)
Max. Discharge Current	640 A (5 sec.)
Max. Charge Current	7.5 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 12/37.5 Optional: Flame Retardant ABS(UL 94-V0) GBC 12/37.5FR

Certificate as below:



Compliance of the standards as below:

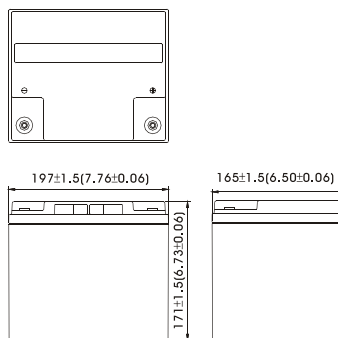
- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

### DIMENSION(mm/inch)

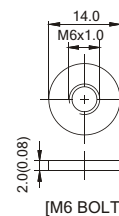
### OUTER DIMENSIONS

### TERMINAL TYPE

- **Length**  
197±1.5 (7.76±0.06)
- **Width**  
165±1.5 (6.50±0.06)
- **Container Height**  
171±1.5 (6.73±0.06)
- **Total Height**  
171±1.5 (6.73±0.06)



- Terminal I2



Terminal Hardware Initial Torque: I2(5.5Nm±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	488	272	118.9	87.74	46.0	24.23
1.75V	506	281	121.3	89.16	46.7	24.60
1.70V	519	287	122.7	89.95	47.1	24.79
1.65V	526	290	123.7	90.00	47.3	24.87
1.60V	532	293	124.3	90.05	47.3	24.87

### 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	42.2	23.2	9.96	7.31	3.837	2.019
1.75V	43.8	23.9	10.16	7.43	3.895	2.050
1.70V	44.9	24.4	10.28	7.50	3.926	2.066
1.65V	45.5	24.7	10.36	7.51	3.938	2.072
1.60V	46.0	25.0	10.41	7.51	3.938	2.072

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