

# ZELUS

## GEL Technology Battery

### GBC Deep Cycling

# GBC 12/63

## 12V, 63Ah/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	63 Ah @ 5 hour rate F.V.(1.70V/cell)
Approx. Weight	24000g(52.91lbs.)
Terminals	I2
Internal Resistance	≤6mΩ (Fully Charged )
Max. Discharge Current	400 A (5 sec.)
Max. Charge Current	12.6 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 12/63 Optional: Flame Retardant ABS(UL 94-V0) GBC 12/63FR



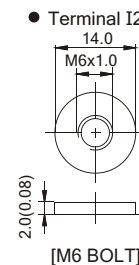
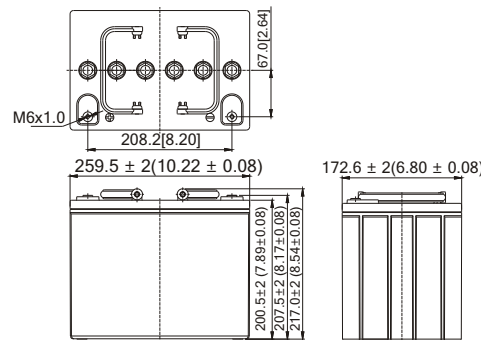
- GB/T 7403.1-2008
- IEC60254-1: 2005

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

- **Length**  
259.5±2 (10.22±0.08)
- **Width**  
172.6±2(6.80±0.08)
- **Container Height**  
200.5±2 (7.89±0.08)
- **Total Height**  
217.0±2 (8.54±0.08)



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	783	464	201.0	147.5	77.6	41.35
1.75V	795	477	204.2	149.7	79.3	41.37
1.70V	801	488	206.5	151.0	80.0	42.32
1.65V	804	493	208.7	151.6	80.4	42.41
1.60V	804	498	209.8	152.0	80.4	42.41

### 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	63.7	39.1	16.75	12.30	6.47	3.446
1.75V	64.6	40.3	17.01	12.49	6.61	3.448
1.70V	65.0	41.2	17.20	12.60	6.67	3.527
1.65V	66.3	41.7	17.39	12.66	6.70	3.535
1.60V	66.3	41.9	17.48	12.69	6.70	3.535

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