

# ZELUS

## GEL Technology Battery

### GBC Deep Cycling

# GBC 6/180

## 6V, 180Ah/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	6 V
Nominal Capacity	180 Ah @ 5 hour rate F.V.(1.70V/cell)
Approx. Weight	32800g(72.31lbs.)
Terminals	I3(I4 is optional)
Internal Resistance	≤2.5mΩ (Fully Charged )
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	36.0 A
Self Discharge	< 2% per month (25°C)
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS( UL94 HB) GBC 6/180 Optional: Flame Retardant ABS(UL94 V-0) GBC 6/180FR



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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> <li>■ Length 244.0±2(9.61±0.08)</li> <li>■ Width 190.0±2(7.48±0.08)</li> <li>■ Container Height 275.0±2(10.83±0.08)</li> <li>■ Total Height 275.0±2(10.83±0.08)</li> </ul>		<ul style="list-style-type: none"> <li>● Terminal I3 M8x1.25 7.5(0.30) height, 2.8(0.11) width, [M8 BOLT]</li> <li>● Terminal I4 M10x1.5 7.5(0.30) height, 2.8(0.11) width, [M10 BOLT]</li> </ul> <p>Terminal Hardware Initial Torque: I3(10.0Nm±5%)</p>

### 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	1118	667	288.6	210.9	113.2	59.57
1.75V	1135	687	294.3	214.9	114.9	60.48
1.70V	1144	702	297.9	215.9	115.8	60.95
1.65V	1148	710	300.2	216.6	116.2	61.14
1.60V	1148	717	301.8	217.3	116.2	61.14

### 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	186.4	112.8	48.34	35.33	18.91	9.949
1.75V	189.2	116.2	49.30	36.00	19.19	10.100
1.70V	190.7	118.6	49.90	36.16	19.34	10.179
1.65V	191.3	120.1	50.29	36.29	19.40	10.210
1.60V	191.3	121.3	50.55	36.40	19.40	10.210

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

