

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	$\leq 2.5m\Omega$ (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

Certificate as below:



Compliance of the standards as below:

- GB/T 7403.1
- IEC60254-1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
■ Length 244.0±2 (9.61±0.08)		● Terminal I3 [M8 BOLT]
■ Width 190.0±2 (7.48±0.08)		● Terminal I4 [M10 BOLT]
■ Container Height 275.0±2 (10.83±0.08)		
■ Total Height 275.0±2 (10.83±0.08)		
Terminal Hardware Initial Torque: I3(10.0Nm±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		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.

For operation, please refer to the instruction from technical manual.

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