

ZELUS

GEL Technology Battery
— SOLAR & PV

GBS 6/215

6V, 215Ah/C₁₀₀

FEATURES

- GBS delivers long cycle life and prolong life in elevated ambient temperatures.
- The generated heat can easy flow to the case walls because the whole volume of the cell is filled with gel.
- The immobilization of the electrolyte in the gel makes acid stratification impossible.
- Maintenance free(no water topping-up required).
- Low self-discharge rate, lower than 2% capacity loss per month.
- A small distribution of the special valve opening and closing pressure is important for a good (cycle) life time of the battery.

APPLICATIONS

- Solar power stations
- Telecommunications installations
- Traffic lights
- Street lightening
- Wind power



SPECIFICATIONS

Nominal Voltage	6 V
Nominal Capacity	215Ah @ 100 hour rate F.V.(1.80V/cell)
Approx. Weight	32800g(72.31lbs.)
Terminals	I3(I4 is optional)
Internal Resistance	≤2mΩ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	43.0 A
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS(UL94 HB) GBS 6/215 Optional: Flame Retardant ABS(UL94 V-0) GBS 6/215FR

Certificate as below:



MH19884



Compliance of the standards as below:

- IEC 61427
- GB/T 22473.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
Length 244.0±2(9.61±0.06)		● Terminal I3
Width 190.0±2(7.48±0.06)		● Terminal I4
Container Height 275.0±2(10.83±0.06)		
Total Height 275.0±2(10.83±0.06)		

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	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr	100 Hr	120 Hr
1.85V		636	280.7	206.3	108.9	57.29	12.32	10.33
1.80V		669	288.9	211.1	111.5	58.69	12.62	10.58
1.75V		689	294.6	214.3	113.2	59.58	12.85	10.77
1.70V		704	298.2	216.1	114.1	60.05	12.91	10.82
1.65V		713	300.5	216.9	114.5	60.23	12.95	10.86

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

F.V. (V/cell)	Discharge Time	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr	100 Hr	120 Hr
1.85V		107.2	47.01	34.55	18.22	9.587	2.112	1.728
1.80V		112.7	48.39	35.36	18.66	9.820	2.150	1.770
1.75V		116.1	49.35	35.89	18.94	9.970	2.157	1.802
1.70V		118.5	49.95	36.20	19.09	10.048	2.163	1.811
1.65V		119.9	50.34	36.32	19.15	10.079	2.168	1.817

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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