

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	12 V
Nominal Capacity	85Ah @ 100 hour rate F.V.(1.80V/cell)
Approx. Weight	29500g(65.04lbs.)
Terminals	I2
Internal Resistance	≤6mΩ (Fully Charged)
Max. Discharge Current	700 A (5 sec.)
Max. Charge Current	17.0 A
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS(UL94 HB) GBS 12/85 Optional: Flame Retardant ABS(UL94 V-0) GBS 12/85FR

UL
MH19884

CE

- IEC 61427
- GB/T 22473.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
■ Length 329.0±2 (12.95±0.08) ■ Width 172.0±2(6.77±0.08) ■ Container Height 214.5±2(8.44±0.08) ■ Total Height 219.0±2 (8.60±0.08)		● Terminal I2 Terminal Hardware Initial Torque: I2(5.5Nm±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		540	236	163.5	87.8	46.61	10.20	8.53
1.80V		558	241	166.3	88.9	47.72	10.27	8.57
1.75V		563	245	168.1	90.2	48.13	10.31	8.59
1.70V		576	246	168.5	90.6	48.29	10.33	8.62
1.65V		578	246	169.0	90.8	48.40	10.36	8.64

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		45.5	19.83	13.62	7.34	3.98	0.850	0.711
1.80V		46.2	19.94	13.81	7.45	4.00	0.856	0.714
1.75V		47.4	20.26	13.94	7.54	4.03	0.859	0.716
1.70V		48.2	20.45	14.05	7.58	4.05	0.861	0.718
1.65V		48.4	20.59	14.12	7.62	4.06	0.863	0.720

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