



GEL Technology Battery
■ **SOLAR & PV**

GBS 12/7

12V, 7Ah/C100



FEATURES

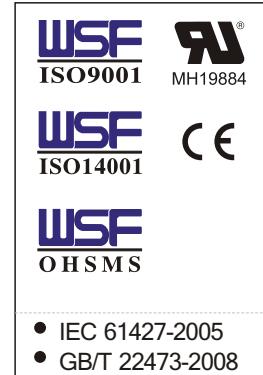
- GBS delivers long cycle life and prolong life in elevated ambient temperatures.
- The generated heat can easily flow to the case walls because the whole volume of the cell is filled with gel.
- The immobilization of the electrolyte in the gel makes acid stratification impossible.
- Maintenance free (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.

APPLICATION

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

SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	7Ah @ 100 hour rate F.V.(1.80V/cell)
Approx. Weight	2450g(54.01lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	$\leq 32m\Omega$ (Fully Charged)
Max. Discharge Current	105 A (5 sec.)
Max. Charge Current	1.4 A
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS(UL 94-HB) GBS 12/7 Optional: Flame Retardant ABS(UL 94-V0) GBS 12/7FR

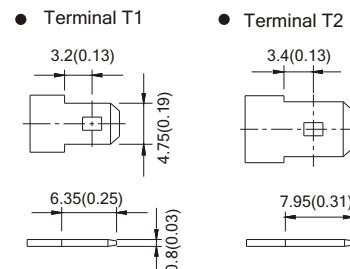
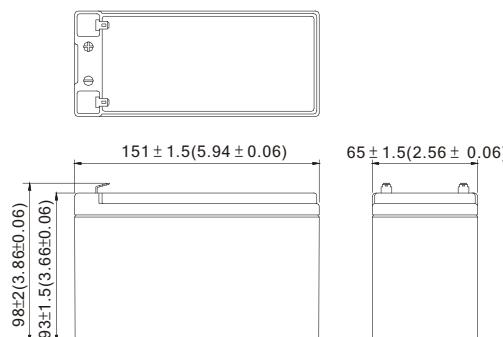


DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- Length**
 151 ± 1.5 (5.94±0.06)
- Width**
 65 ± 1.5 (2.56±0.06)
- Container Height**
 93 ± 1.5 (3.66±0.06)
- Total Height**
 98 ± 2.0 (3.86±0.08)



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	42.2	18.4	13.3	7.16	3.80	0.83	0.69
1.80V	43.8	18.9	13.7	7.35	3.86	0.85	0.71
1.75V	45.1	19.2	13.8	7.46	3.93	0.85	0.71
1.70V	45.9	19.4	13.9	7.51	3.95	0.85	0.72
1.65V	46.4	19.5	13.9	7.53	3.96	0.86	0.72

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	3.53	1.54	1.12	0.60	0.318	0.069	0.058
1.80V	3.65	1.56	1.13	0.61	0.324	0.071	0.059
1.75V	3.76	1.59	1.15	0.62	0.328	0.071	0.059
1.70V	3.85	1.61	1.16	0.62	0.330	0.071	0.059
1.65V	3.88	1.63	1.16	0.63	0.330	0.071	0.060

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.

Trial A/0 REV. Jul. 2014

Powered by B.B. Battery Co., Ltd.