



### 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.

### APPLICATION

- Solar power stations
- Telecommunications installations
- Traffic lights
- Street lightening
- 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	≤32mΩ (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

<b>WSF</b> ISO9001	<b>UL</b> MH19884
<b>WSF</b> ISO14001	<b>CE</b>
<b>WSF</b> OHSMS	
<ul style="list-style-type: none"> <li>● IEC 61427-2005</li> <li>● GB/T 22473-2008</li> </ul>	

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> <li>■ Length 151±1.5 (5.94±0.06)</li> <li>■ Width 65±1.5 (2.56±0.06)</li> <li>■ Container Height 93±1.5 (3.66±0.06)</li> <li>■ Total Height 98±2.0 (3.86±0.08)</li> </ul>		<ul style="list-style-type: none"> <li>● Terminal T1 3.2(0.13) 4.75(0.19) 6.35(0.25) 0.8(0.03)</li> <li>● Terminal T2 3.4(0.13) 7.95(0.31)</li> </ul>

### 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.