

## 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	170Ah @ 100 hour rate F.V.(1.80V/cell)
Approx. Weight	55Kg(121.3lbs.)
Terminals	B9 (Fitting M8 bolt & nut) I3 is optional
Internal Resistance	≤5.0m Ω (Fully Charged )
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	34.0 A
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS( UL94 HB) GBS 12/170 Optional: Flame Retardant ABS(UL94 V-0) GBS 12/170FR



DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> <li>■ Length 522±2.0 (20.55±0.08)</li> <li>■ Width 202±2.0 (7.95±0.08)</li> <li>■ Container Height 216±2.0 (8.50±0.08)</li> <li>■ Total Height 219.5±2.0 (8.64±0.08)</li> </ul>		<ul style="list-style-type: none"> <li>● Terminal B9</li> <li>● Terminal I3</li> </ul> <p>Terminal Hardware Initial Torque: B9,I3(10.0Nm±5%)</p>

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		1043	453.3	330.9	174.5	93.4	20.26	17.00
1.80V		1072	463.5	340.0	179.5	93.8	20.40	17.10
1.75V		1099	469.2	342.3	182.0	96.0	20.54	17.50
1.70V		1122	473.7	344.3	182.9	96.1	20.63	17.60
1.65V		1129	476.0	345.0	183.6	96.2	20.70	17.80

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		87.3	37.88	27.77	14.48	7.80	1.68	1.40
1.80V		88.9	37.97	27.90	14.64	7.91	1.70	1.45
1.75V		91.3	38.56	28.38	14.96	7.99	1.71	1.48
1.70V		93.6	38.99	28.54	15.14	8.01	1.73	1.52
1.65V		94.3	39.42	28.70	15.19	8.02	1.75	1.55

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained herein.