

### 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            | 130Ah @ 100 hour rate F.V.(1.80V/cell)   |
| Approx. Weight              | 40Kg(88.18lbs.)  |
| Terminals                   | I2   |
| Internal Resistance         | ≤7mΩ (Fully Charged )  |
| Max. Discharge Current      | 800 A (5 sec.)   |
| Max. Charge Current         | 26 A   |
| Operating Temperature Range | -20°C~55°C(-4°F~131°F)   |
| Container Material          | Standard: ABS( UL94 HB) GBS 12/130<br>Optional: Flame Retardant ABS(UL94 V-0) GBS 12/130FR |



MH19884



- IEC 61427-2005
- GB/T 22473-2008

| DIMENSION(mm/inch)   | OUTER DIMENSIONS | TERMINAL TYPE  |
|--|------------------|--|
| <ul style="list-style-type: none"> <li>■ Length<br/>344±2.0 (13.54±0.08)</li> <li>■ Width<br/>172±2.0 (6.77±0.08)</li> <li>■ Container Height<br/>263.8±2.0 (10.39±0.08)</li> <li>■ Total Height<br/>280.3±2.0 (11.04±0.08)</li> </ul> |                  | <ul style="list-style-type: none"> <li>● Terminal I2</li> </ul> <p>[M6 BOLT]</p> <p>Terminal Hardware Initial Torque: 5.5Nm±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   | 822.3 | 345.0 | 246.0 | 137.0 | 70.68 | 15.50  | 12.96  |         |
| 1.80V   | 830.2 | 352.2 | 248.8 | 138.0 | 70.92 | 15.60  | 13.03  |         |
| 1.75V   | 845.6 | 358.0 | 251.0 | 138.8 | 72.00 | 15.72  | 13.15  |         |
| 1.70V   | 855.7 | 360.0 | 252.0 | 139.3 | 72.24 | 15.84  | 13.27  |         |
| 1.65V   | 864.3 | 373.3 | 252.8 | 139.5 | 72.38 | 15.85  | 13.27  |         |

| 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   | 68.2 | 28.7 | 20.50 | 11.39 | 5.89  | 1.29   | 1.08   |         |
| 1.80V   | 69.8 | 29.3 | 20.73 | 11.50 | 5.91  | 1.30   | 1.09   |         |
| 1.75V   | 71.1 | 29.8 | 20.92 | 11.58 | 6.00  | 1.31   | 1.10   |         |
| 1.70V   | 72.0 | 30.0 | 21.00 | 11.61 | 6.02  | 1.32   | 1.11   |         |
| 1.65V   | 72.7 | 31.1 | 21.07 | 11.63 | 6.03  | 1.32   | 1.11   |         |

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