ZELUS

GEL Technology Battery

SOLAR & PV

GBS 12/130

12V, 130Ah/C100

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	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 Optional: Flame Retardant ABS(UL94 V-0) GBS 12/130FR

MH19884

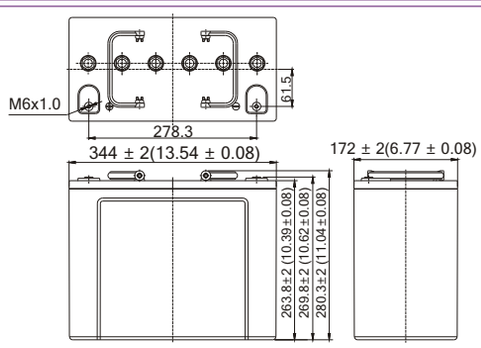
CE

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

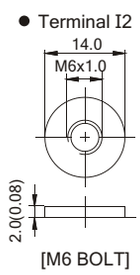
DIMENSION(mm/inch)

- **Length** 344±2.0 (13.54±0.08)
- **Width** 172±2.0 (6.77±0.08)
- **Container Height** 263.8±2.0 (10.39±0.08)
- **Total Height** 280.3±2.0 (11.04±0.08)

OUTER DIMENSIONS



TERMINAL TYPE



Terminal Hardware Initial Torque: 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	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 hereinto.