ZELUS

GEL Technology Battery

SOLAR & PV

GBS 12/75

12V, 75Ah/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.

APPLICATIONS

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

SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	75Ah @ 100 hour rate F.V.(1.80V/cell)
Approx. Weight	24000g(52.91lbs.)
Terminals	I2
Internal Resistance	≦6mΩ (Fully Charged)
Max. Discharge Current	400 A (5 sec.)
Max. Charge Current	15.0 A
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS(UL94 HB) GBS 12/75 Optional: Flame Retardant ABS(UL94 V-0) GBS 12/75FR

MH19884

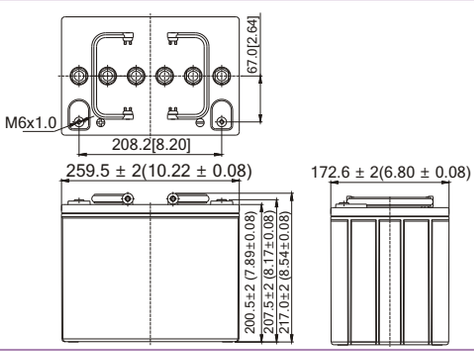
CE

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

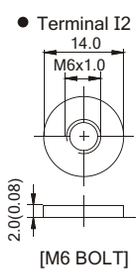
DIMENSION(mm/inch)

- **Length** 259.5±2(10.22±0.08)
- **Width** 172.6±2(6.80±0.08)
- **Container Height** 200.5±2(7.89±0.08)
- **Total Height** 217.0±2 (8.54±0.08)

OUTER DIMENSIONS



TERMINAL TYPE



Terminal Hardware Initial Torque: I2(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	460	200.0	146.0	77.0	41.20	8.94	7.50
1.80V	473	204.5	150.0	79.2	41.38	9.00	7.52
1.75V	485	207.0	151.0	80.3	42.36	9.06	7.56
1.70V	495	209.0	151.9	80.7	42.42	9.08	7.59
1.65V	498	210.0	152.2	81.0	42.44	9.12	7.61

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	38.5	16.71	12.25	6.39	3.442	0.741	0.619
1.80V	39.2	16.75	12.31	6.46	3.491	0.750	0.626
1.75V	40.3	17.01	12.52	6.60	3.526	0.752	0.627
1.70V	41.3	17.20	12.59	6.68	3.534	0.753	0.628
1.65V	41.6	17.39	12.66	6.70	3.539	0.755	0.629

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