

ZELUS

GEL Technology Battery

- GFT

GFT 12/100

12V, 100Ah/C₁₀

FEATURES

- GFT was designed with solid lead plated and gelled electrolyte technology.
- A deep-cycle lead-acid battery is designed to deliver a maximum capacity and cycles as discharging.
- High temperature stability, mechanical strength and low acid displacement.
- Superior performance with deep discharges.
- Patented safety valve to have accurate pressure operating for long battery life.

APPLICATIONS

- UPS
- Security
- Telecommunication
- Electronic Medical Equipment
- Emergency Lighting



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100 Ah @ 10 hour rate F.V.(1.80 V/cell)
Approx. Weight	37.5Kg(82.67lbs.)
Terminals	L1 (M8 Male Stud)
Internal Resistance	≤6mΩ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	20 A
Self Discharge	< 2% per month (25°C)
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: PP(UL94 HB) GFT12/100 Optional: Flame Retardant PP(UL94 V-0) GFT12/100FR

UL
MH19884

CE
C4M20310-2474-E-16

- GB/T 19638.1
- IEC60896-21/22

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

560±2.0 (22.05±0.08)

Width

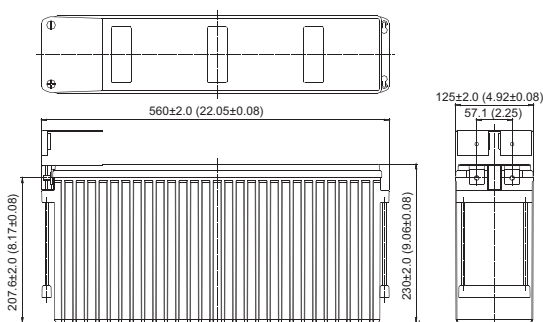
125±2.0 (4.92±0.08)

Container Height

230±2.0 (9.06±0.08)

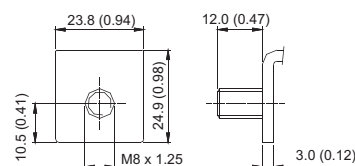
Total Height

230±2.0 (9.06±0.08)



TERMINAL TYPE

● Terminal L1



Terminal Hardware Initial Torque: 10.0Nm ±5%

Constant power discharge characteristics at 25 °C/77 °F

Unit: W

Discharge Time F.V. (V/cell)	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	1192	695	303.2	213.8	120.0	63.02
1.75V	1213	716	309.3	217.0	121.6	63.98
1.70V	1225	731	313.0	218.9	122.5	64.48
1.65V	1236	739	315.5	219.7	122.8	64.66
1.60V	1239	747	317.1	220.3	122.9	64.68

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

Discharge Time F.V. (V/cell)	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	102.2	59.2	25.39	17.87	10.00	5.252
1.75V	104.3	61.0	25.90	18.14	10.13	5.332
1.70V	105.6	62.3	26.21	18.30	10.21	5.374
1.65V	106.9	63.0	26.42	18.36	10.24	5.389
1.60V	107.4	63.6	26.56	18.41	10.24	5.390

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

For operation, please refer to the instruction from technical manual.

Trial B/1 REV. May. 2025

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