

ZELUS

GEL Technology Battery

GB Regular

GB 12/30

12V, 30Ah/C₂₀ (28.5Ah/C₁₀)

FEATURES

- The sulfuric acid is mixed with silica fume, which makes the resulting mass gel-like and immobile.
- Increased durability and deep cycle ability for heavy demand.
- 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	30.0Ah @ 20 hour rate F.V.(1.75V/cell) 28.5Ah @ 10 hour rate F.V.(1.80V/cell)
Approx. Weight	11300g(24.91lbs.)
Terminals	B7 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≤11mΩ (Fully Charged)
Max. Discharge Current	450 A (5 sec.)
Max. Charge Current	6.0 A
Self Discharge	< 2% per month (25°C)
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS(UL94 HB) GB 12/30 Optional: Flame Retardant ABS(UL94 V-0) GB 12/30FR

UL
MH19884



- GB/T 19638.1
- IEC60896-2/122

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

195±1.5 (7.68±0.06)

Width

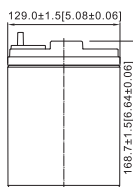
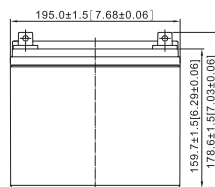
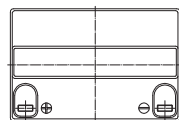
129±1.5 (5.08±0.06)

Container Height

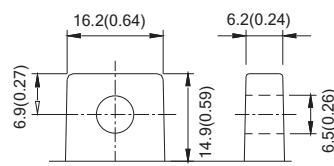
168.7±1.5 (6.64±0.06)

Total Height

178.6±1.5 (7.03±0.06)

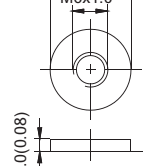


Terminal B7



[M6 BOLT & NUT]

Terminal I2



[M6 BOLT]

Terminal Hardware Initial Torque: B7,I2(5.5Nm±5%)

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

Unit: W

F.V. (V/cell)	Discharge Time	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		337	199	87.0	61.3	34.2	17.73
1.75V		342	205	88.7	62.2	34.5	18.00
1.70V		345	210	89.8	62.7	34.6	18.14
1.65V		346	212	90.5	63.0	34.7	18.20
1.60V		346	214	91.0	63.2	34.7	18.20

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

Unit: A

F.V. (V/cell)	Discharge Time	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		28.1	17.0	7.29	5.12	2.85	1.478
1.75V		28.5	17.5	7.43	5.20	2.87	1.500
1.70V		28.7	17.9	7.52	5.24	2.88	1.512
1.65V		28.8	18.1	7.58	5.26	2.89	1.516
1.60V		28.8	18.3	7.62	5.28	2.89	1.516

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.

B/O REV. Dec. 2021

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