VRLA Rechargeable Battery

BP28-12 (BP28-12FR)

FEATURES

- Maintenance free(no water topping-up required).
- No free acid(Non-spillable battery).
- Low self-discharge rate, lower than 3% capacity loss per month.
- Can be used in any orientation(excluding used inverted).
- Absorbent Glass Mat technology for efficient gas recombination.

APPLICATION

- UPS
- Golf-Carts
- Lawn Mowers
- Wheelchairs
- Electronic Medical Equipment

SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	28Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	9600g(21.17lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	≦10m Ω (Fully Charged)
Max. Discharge Current	420 A (5 sec.)
Max. Charge Current	8.4 A
Operating Temperature Range	Charge：0°C~40°C(32°F~104°F) Discharge：-20°C~50°C(-4°F~122°F) Storage.：-20°C~40°C(-4°F~104°F)
Container Material	ABS(UL94-HB, UL94-V0 is optional)

ISO 9001

ISO14001

UL MH19884

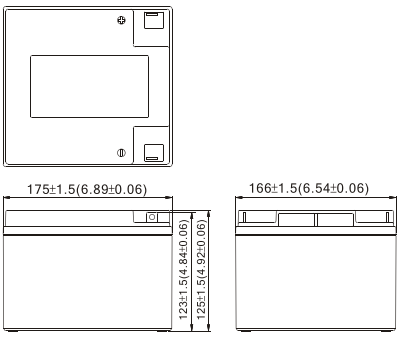
CE C4M20310-2474-E-16

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

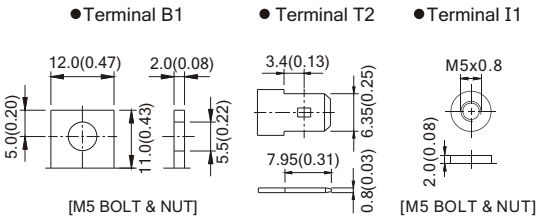
DIMENSION(mm/inch)

- **Length** 175±1.5 (6.89±0.06)
- **Width** 166±1.5 (6.54±0.06)
- **Container Height** 123±1.5 (4.84±0.06)
- **Total Height** 125±1.5 (4.92±0.06)

OUTER DIMENSIONS



TERMINAL TYPE



Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)

Constant power discharge characteristics at 25 °C/77 °F Unit: W

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	1012	745	597	355	203.8	81.6	56.3	31.45	16.55
1.75V	1172	807	625	369	209.9	83.2	57.1	31.92	16.80
1.70V	1245	836	644	377	213.7	84.0	57.4	32.08	16.88
1.65V	1301	856	659	383	216.2	84.6	57.6	32.18	16.93
1.60V	1344	874	672	386	218.4	85.1	57.8	32.18	16.93

Constant current discharge characteristics at 25 °C/77 °F Unit: A

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	91.2	65.6	51.9	30.1	17.12	6.80	4.69	2.621	1.379
1.75V	107.5	71.1	54.3	31.3	17.64	6.94	4.76	2.660	1.400
1.70V	114.2	73.6	56.0	32.0	17.96	7.00	4.79	2.673	1.407
1.65V	119.3	75.4	57.3	32.4	18.17	7.05	4.80	2.681	1.411
1.60V	123.3	76.9	58.4	32.7	18.35	7.09	4.82	2.681	1.411

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

Powered by B.B. Battery Co., Ltd.

http://www.akumulatoryzelowe.pl/s/BP-28-12/