



VRLA Rechargeable Battery

BC28-12



FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- Absorbent Glass Mat technology for efficient gas recombination

APPLICATION

- UPS
- Electronic Medical Equipment



SPECIFICATIONS

Nominal Voltage	12V
Nominal Capacity	28.0 Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	7900g(17.42lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	≤ 14mΩ(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	Standard: ABS(UL 94-HB) BC28-12 Optional: Flame Retardant ABS(UL 94-V0) BC28-12FR



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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> ■ Length 175±1.5 (6.89±0.06) ■ Width 166±1.5 (6.54±0.06) ■ Container Height 125±1.5 (4.92±0.06) ■ Total Height 125±1.5 (4.92±0.06) 		<ul style="list-style-type: none"> ● Terminal B1 [M5 BOLT & NUT] ● Terminal T2 ● Terminal I1 [M5 BOLT] <p>Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)</p>

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	703.7	573.8	468.5	317.3	199.7	81.60	56.27	31.47	16.53
1.75V	790.5	621.5	489.9	329.6	205.7	83.27	57.13	31.93	16.80
1.70V	865.3	642.9	504.7	337.1	209.4	84.00	57.40	32.07	16.87
1.65V	904.3	659.3	516.6	341.8	211.9	84.53	57.60	32.20	16.93
1.60V	934.2	672.6	526.7	345.3	214.1	85.13	57.80	32.20	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	64.1	51.7	41.9	27.1	16.8	6.80	4.67	2.60	1.33
1.75V	73.3	56.1	43.8	28.2	17.3	6.93	4.73	2.67	1.40
1.70V	80.2	58.1	45.1	28.9	17.6	7.00	4.80	2.67	1.40
1.65V	85.4	60.6	46.2	29.3	17.8	7.07	4.80	2.67	1.40
1.60V	89.9	62.9	47.1	29.5	18.0	7.07	4.80	2.67	1.40

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

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

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