



# VRLA Rechargeable Battery

## BC18-12



### 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
- Fishing Lights
- Emergency Lights
- Video Camcorders(VCR)



### SPECIFICATIONS

Nominal Voltage	12V
Nominal Capacity	18.00 Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	5620g(12.39lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	≤ 16mΩ(Fully Charged )
Max. Discharge Current	270 A (5 sec.)
Max. Charge Current	5.4 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) BC18-12 Optional: Flame Retardant ABS(UL 94-V0) BC18-12FR



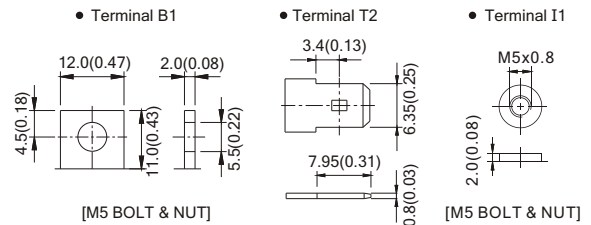
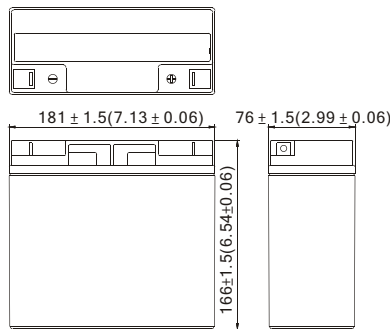
- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

- **Length**  
181±1.5 (7.13±0.06)
- **Width**  
76±1.5 (2.99±0.06)
- **Container Height**  
166±1.5 (6.54±0.06)
- **Total Height**  
166±1.5 (6.54±0.06)



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

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

Unit: W

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	651	479	384	229	131.0	52.5	36.2	20.21	10.64
1.75V	753	519	401	237	134.9	53.5	36.7	20.52	10.80
1.70V	800	538	414	242	137.3	54.0	37.0	20.63	10.85
1.65V	836	551	424	246	139.0	54.4	37.1	20.69	10.88
1.60V	864	561	432	249	140.4	54.7	37.2	20.69	10.88

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

Unit: A

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	58.63	42.17	33.38	19.36	11.01	4.372	3.014	1.685	0.886
1.75V	69.11	45.69	34.92	20.10	11.34	4.460	3.060	1.710	0.900
1.70V	73.43	47.33	36.00	20.55	11.54	4.500	3.077	1.718	0.904
1.65V	76.72	48.46	36.83	20.84	11.68	4.532	3.088	1.724	0.907
1.60V	79.26	49.44	37.57	21.05	11.80	4.558	3.097	1.724	0.907

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.

A/0 REV. Mar. 2014

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