



# VRLA Rechargeable Battery

## EB24-12



### FEATURES

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

### APPLICATION

- UPS
- E-bike
- Wheelchairs
- Lawn Mowers
- Golf-Carts
- Electrical Scooter



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	24Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	7350g(16.2lbs.)
Terminals	Type BE
Internal Resistance	≤10mΩ (Fully Charged )
Max. Discharge Current	360 A (5 sec.)
Max. Charge Current	7.2 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) EB24-12 Optional: Flame Retardant ABS(UL 94-V0) EB24-12FR

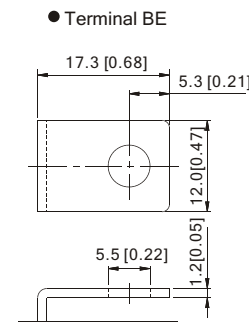
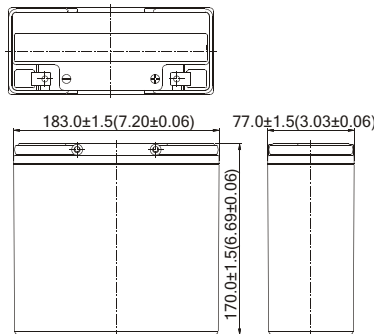
- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

- Length  
183±1.5 (7.20±0.06)
- Width  
77±1.5 (3.03±0.06)
- Container Height  
170±1.5 (6.69±0.06)
- Total Height  
170±1.5 (6.69±0.06)



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

F.V. (V/cell) \ Discharge Time	10 Min	15 Min	30 Min	40 Min	1 Hr	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	646.2	523.3	329.1	260.9	195.36	114.0	84.1	53.2	26.93	14.11
1.75V	700.1	548.1	342.1	270.5	201.00	117.0	85.8	53.9	27.36	14.40
1.70V	725.8	564.7	349.4	275.6	204.36	118.2	86.4	54.3	27.50	14.54
1.65V	743.2	577.9	354.6	279.6	207.12	119.4	87.0	54.7	27.65	14.69
1.60V	757.9	589.0	358.0	282.4	209.40	120.0	87.6	54.9	27.65	14.69
1.50V	772.7	601.1	361.3	285.3	211.56	120.6	88.1	54.8	27.65	14.69

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

F.V. (V/cell) \ Discharge Time	10 Min	15 Min	30 Min	40 Min	1 Hr	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	56.9	45.5	27.9	22.0	16.42	9.50	7.01	4.44	2.24	1.18
1.75V	61.6	47.7	29.0	22.8	16.88	9.75	7.15	4.49	2.28	1.20
1.70V	63.9	49.1	29.6	23.3	17.17	9.85	7.20	4.52	2.29	1.21
1.65V	65.4	50.3	30.0	23.6	17.40	9.95	7.25	4.56	2.30	1.22
1.60V	66.7	51.2	30.3	23.9	17.59	10.00	7.30	4.57	2.30	1.22
1.50V	68.0	52.3	30.6	24.1	17.78	10.05	7.34	4.57	2.30	1.22

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.  
A/2 REV. Jul. 2013

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