



# VRLA Rechargeable Battery

## EB12-12



### 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	12Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	4300g(9.48lbs.)
Terminals	T2 (Faston Tab 250)
Internal Resistance	≤ 14mΩ (Fully Charged )
Max. Discharge Current	180 A (5 sec.)
Max. Charge Current	3.6 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) EB12-12 Optional: Flame Retardant ABS(UL 94-V0) EB12-12FR

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> 151±1.5 (5.94±0.06)		<b>Terminal T2</b> 
<b>Width</b> 98±1.5 (3.86±0.06)		
<b>Container Height</b> 94±1.5 (3.70±0.06)		
<b>Total Height</b> 98±2.0 (3.86±0.08)		

### 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	323.2	261.7	164.6	130.5	99.6	56.8	42.0	26.6	13.47	7.05
1.75V	350.2	274.0	170.9	135.2	102.5	58.2	42.8	27.0	13.68	7.20
1.70V	362.8	282.3	174.7	138.0	104.3	58.9	43.2	27.2	13.75	7.23
1.65V	371.5	288.9	177.2	139.9	105.7	59.8	43.6	27.4	13.78	7.25
1.60V	378.8	294.6	179.0	141.3	106.8	60.0	43.8	27.4	13.78	7.25
1.50V	386.4	300.5	180.8	142.7	107.9	60.6	44.1	27.4	13.78	7.25

### 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	28.4	22.8	13.9	11.0	8.4	4.73	3.50	2.22	1.123	0.588
1.75V	30.8	23.8	14.5	11.4	8.6	4.85	3.58	2.25	1.140	0.600
1.70V	31.9	24.6	14.8	11.6	8.8	4.91	3.60	2.26	1.145	0.602
1.65V	32.7	25.1	15.0	11.8	8.9	4.98	3.62	2.28	1.150	0.605
1.60V	33.4	25.6	15.2	11.9	9.0	5.00	3.65	2.28	1.150	0.605
1.50V	34.0	26.1	15.3	12.0	9.1	5.05	3.67	2.28	1.150	0.605

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