



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# VRLA Rechargeable Battery

## EP17-12



### 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 heavy duty cyclic application
- Low self-discharge rate, lower than 3% capacity loss per month

### APPLICATION

- UPS
- Fishing Lights
- Lawn Mowers
- Electrical Bicycle



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	17Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	6200g(13.67lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	≤16m Ω (Fully Charged)
Max. Discharge Current	255 A (5 sec.)
Max. Charge Current	5.1 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) EP17-12 Optional: Flame Retardant ABS(UL 94-V0) EP17-12FR



- 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

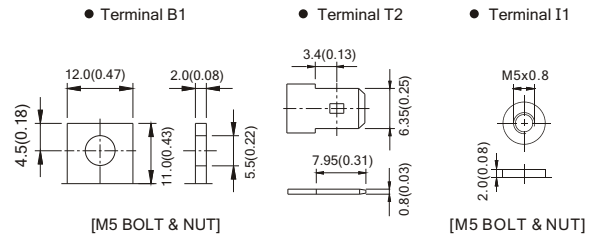
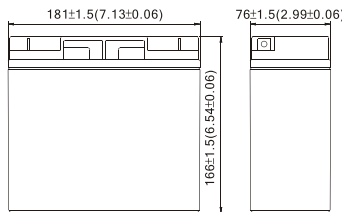
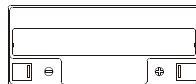
76±1.5 (2.99±0.06)

#### 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

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		554.0	416.3	337.1	202.8	117.50	49.50	34.20	19.09	9.98
1.75V		641.0	451.0	352.9	210.6	120.90	50.50	34.70	19.38	10.20
1.70V		680.0	467.3	363.6	215.2	123.10	51.00	35.00	19.48	10.25
1.65V		712.0	478.4	372.1	218.3	124.80	51.50	35.20	19.53	10.27
1.60V		733.0	487.9	379.3	220.5	126.00	51.70	35.20	19.53	10.27

### 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		49.91	36.65	29.31	17.19	9.87	4.13	2.85	1.59	0.83
1.75V		58.81	39.70	30.69	17.85	10.16	4.21	2.89	1.62	0.85
1.70V		62.39	41.14	31.62	18.24	10.34	4.25	2.92	1.62	0.85
1.65V		65.32	42.11	32.36	18.50	10.49	4.29	2.93	1.63	0.86
1.60V		67.25	42.95	32.98	18.69	10.59	4.31	2.93	1.63	0.86

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