



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!



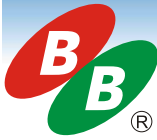
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# VRLA Rechargeable Battery

## HR15-12



### FEATURES

- Maintenance free(no water topping-up required).
- No free acid(Non-spillable battery).
- Low self-discharge rate, lower than 3% capacity loss per month.
- Can be used in any orientation(excluding used inverted).
- The battery is designed for high rate usage.
- Absorbent Glass Mat technology for efficient gas recombination.
- The power density at 5 min~15min discharging rate is 30% higher than BP series.

### APPLICATION

- UPS
- Fishing Lights
- Power Packs



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	13Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	4200g(9.25lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	≤12mΩ (Fully Charged )
Max. Discharge Current	180 A (5 sec.)
Max. Charge Current	3.9 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) HR15-12 Optional: Flame Retardant ABS(UL 94-V0) HR15-12FR

MH19884  
 CQM20310-2474-E-16  
  
 ● 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>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	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V	615.0	420.0	304.1	259.5	197.3	150.0	125.3	110.3	60.8
1.70V	735.0	468.8	330.8	274.9	205.5	155.6	129.4	112.9	62.0
1.60V	787.5	493.1	345.8	285.0	210.0	159.4	132.0	114.8	63.0
1.50V	810.0	502.5	353.3	289.5	212.6	161.3	133.5	115.9	63.3
1.40V	825.0	509.3	357.4	292.1	214.1	162.4	134.6	116.6	63.5
1.30V	832.5	513.8	360.0	294.0	215.3	163.1	135.4	117.0	63.7

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

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V	54.91	36.84	26.31	22.26	16.72	12.62	10.49	9.19	5.07
1.70V	66.82	41.12	28.62	23.58	17.42	13.09	10.83	9.41	5.17
1.60V	71.59	43.25	29.91	24.44	17.80	13.41	11.05	9.57	5.25
1.50V	73.64	44.08	30.56	24.83	18.02	13.57	11.17	9.66	5.28
1.40V	75.00	44.68	30.92	25.05	18.14	13.66	11.26	9.72	5.29
1.30V	75.68	45.07	31.14	25.21	18.25	13.72	11.33	9.75	5.31

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