



# VRLA Rechargeable Battery

## HR5.8-12



### 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
- Toy-Cars
- Power Packs
- Emergency Lights
- Fishing Lights



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	5.3Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	1880g(4.15lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤23mΩ (Fully Charged )
Max. Discharge Current	79.5 A (5 sec.)
Max. Charge Current	1.59 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) HR5.8-12 Optional: Flame Retardant ABS(UL 94-V0) HR5.8-12FR

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> 90±1.5 (3.54±0.06)		<b>Terminal T1</b> 
<b>Width</b> 70±1.5 (2.76±0.06)		<b>Terminal T2</b> 
<b>Container Height</b> 102±1.5 (4.02±0.06)		
<b>Total Height</b> 106±2.0 (4.17±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	237.8	162.4	117.6	100.3	76.3	58.0	48.5	42.7	23.5
1.70V	284.2	181.3	127.9	106.3	79.5	60.2	50.0	43.6	24.0
1.60V	304.5	190.7	133.7	110.2	81.2	61.6	51.0	44.4	24.4
1.50V	313.2	194.3	136.6	111.9	82.2	62.4	51.6	44.8	24.5
1.40V	319.0	196.9	138.2	113.0	82.8	62.8	52.1	45.1	24.6
1.30V	321.9	198.7	139.2	113.7	83.3	63.1	52.3	45.2	24.6

### 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	21.23	14.24	10.17	8.61	6.46	4.88	4.05	3.55	1.96
1.70V	25.83	15.90	11.07	9.11	6.73	5.06	4.19	3.63	2.00
1.60V	27.68	16.73	11.57	9.45	6.88	5.18	4.27	3.70	2.03
1.50V	28.47	17.04	11.82	9.60	6.97	5.24	4.32	3.73	2.04
1.40V	29.00	17.28	11.95	9.69	7.02	5.28	4.36	3.76	2.05
1.30V	29.26	17.43	12.04	9.75	7.06	5.31	4.38	3.77	2.05

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