



VRLA Rechargeable Battery

HRC5.5-12



FEATURES

- 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 rate usage
- Its design life is up to 5 years in floating application
- 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	15 Min Rate (132W, 7.8V)
Approx. Weight	1650g(3.64lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	$\leq 27m\Omega$ (Fully Charged)
Max. Discharge Current	75 A (5 sec.)
Max. Charge Current	1.50 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) HRC5.5-12 Optional: Flame Retardant ABS(UL 94-V0) HRC5.5-12FR



- IEC 61056
- JIS C 8702
- GB/T 19639

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

90±1.5 (3.54±0.06)

Width

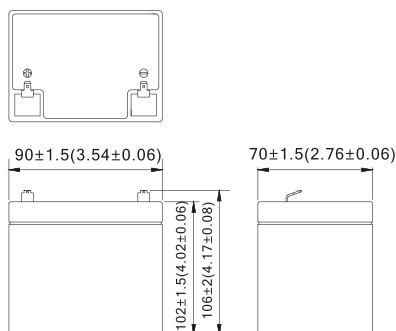
70±1.5 (2.76±0.06)

Container Height

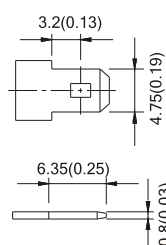
102±1.5 (4.02±0.06)

Total Height

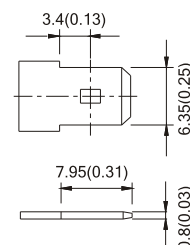
106±2.0 (4.17±0.08)



Terminal T1



Terminal T2



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		225.5	154.0	111.5	95.2	72.4	55.0	46.0	40.5	22.3
1.70V		269.5	171.9	121.3	100.8	75.4	57.1	47.4	41.4	22.7
1.60V		288.8	180.8	126.8	104.5	77.0	58.4	48.4	42.1	23.1
1.50V		297.0	184.3	129.6	106.2	78.0	59.2	49.0	42.5	23.2
1.40V		302.5	186.8	131.0	107.1	78.5	59.5	49.4	42.8	23.3
1.30V		305.3	188.4	132.0	107.8	79.0	59.8	49.6	42.9	23.3

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		20.13	13.51	9.65	8.16	6.14	4.63	3.85	3.38	1.86
1.70V		24.50	15.08	10.49	8.64	6.39	4.80	3.97	3.45	1.89
1.60V		26.25	15.86	10.97	8.96	6.53	4.91	4.05	3.51	1.93
1.50V		27.00	16.17	11.21	9.11	6.61	4.98	4.10	3.54	1.93
1.40V		27.50	16.39	11.33	9.19	6.65	5.00	4.13	3.57	1.94
1.30V		27.75	16.53	11.42	9.25	6.69	5.03	4.15	3.58	1.94

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

For operation, please refer to the instruction from technical manual.

A/1 REV. Jul. 2026

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