



VRLA Rechargeable Battery

HR9-12



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
- Absorbent Glass Mat technology for efficient gas recombination
- The power density at 5 min~15min discharging rate is 30% higher than BP series

APPLICATIONS

- UPS
- Fishing Lights
- Power Packs
- Laboratory Equipment
- Fishing Lights Booster
- Toy-Cars



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	9.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	2750g(6.06lbs.)
Terminals	T2 (Faston Tab 250) , T1 and B0 are optional
Internal Resistance	$\leq 15m\Omega$ (Fully Charged)
Max. Discharge Current	120 A (5 sec.)
Max. Charge Current	2.4 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(UL94 HB) HR9-12 Optional: Flame Retardant ABS(UL94 V-0) HR9-12FR

UL
MH19884

CE
C4M20310-2474-E-16

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

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

151±1.5 (5.94±0.06)

Width

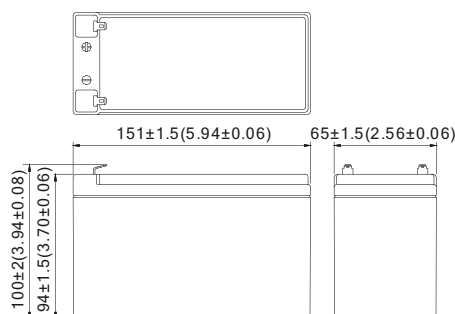
65±1.5 (2.56±0.06)

Container Height

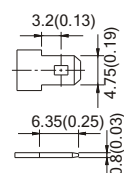
94±1.5 (3.70±0.06)

Total Height

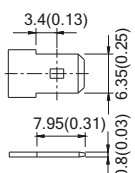
100±2.0 (3.94±0.08)



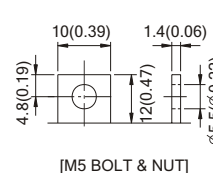
Terminal T1



Terminal T2



Terminal B0



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		369.0	252.0	182.5	155.7	118.4	90.0	75.2	66.2	36.5
1.75V		415.1	271.5	192.5	160.3	120.8	91.8	76.6	67.0	37.0
1.70V		441.0	281.3	198.5	164.9	123.3	93.4	77.6	67.7	37.2
1.60V		472.5	295.9	207.5	171.0	126.0	95.6	79.2	68.9	37.8
1.50V		486.0	301.5	212.0	173.7	127.6	96.8	80.1	69.5	38.0
1.40V		495.0	305.6	214.4	175.3	128.5	97.4	80.8	70.0	38.1
1.30V		499.5	308.3	216.0	176.4	129.2	97.9	81.2	70.2	38.2

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		32.95	22.11	15.79	13.35	10.03	7.57	6.29	5.52	3.04
1.75V		37.73	23.82	16.66	13.75	10.24	7.72	6.41	5.59	3.08
1.70V		40.09	24.68	17.17	14.14	10.45	7.86	6.49	5.64	3.10
1.60V		42.95	25.96	17.95	14.67	10.68	8.04	6.63	5.74	3.15
1.50V		44.18	26.45	18.34	14.90	10.81	8.14	6.70	5.79	3.17
1.40V		45.00	26.81	18.55	15.03	10.89	8.19	6.76	5.83	3.18
1.30V		45.41	27.04	18.69	15.13	10.95	8.23	6.79	5.85	3.18

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