VRLA Rechargeable Battery

HRL9-12

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
- Long life expectancy up to 10 years in float 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
- Data Centre
- Power Packs
- Wind Power
- Jump Starter
- Medical Equipments
- Laboratory Equipment

SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	8.0Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	2880g(6.35lbs.)
Terminals	T2 (Faston Tab 250) , T1 and B0 are optional
Internal Resistance	≦15mΩ (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) HRl9-12 Optional: Flame Retardant ABS(UL94 V-0) HRl9-12FR

MH19884

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

DIMENSION(mm/inch)

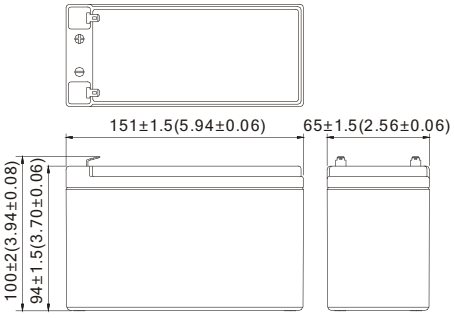
■ **Length**
151±1.5 (5.94±0.06)

■ **Width**
65±1.5 (2.56±0.06)

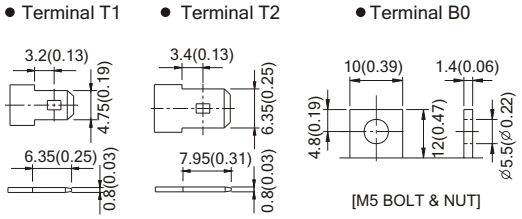
■ **Container Height**
94±1.5 (3.70±0.06)

■ **Total Height**
100±2.0 (3.94±0.08)

OUTER DIMENSIONS



TERMINAL TYPE



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
1.70V	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
1.70V	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 and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.

Powered by **B.B. Tech(Changsha) Co., Ltd.**