



VRLA Rechargeable Battery

HR9-6



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
- Service Life — 5-7 Years.
According to Eurobat (20 °C) — General Purpose

APPLICATIONS

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



SPECIFICATIONS

Nominal Voltage	6 V
Nominal Capacity	8.0Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	1400g(3.09lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	$\leq 7.5m\Omega$ (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) HR9-6 Optional: Flame Retardant ABS(UL94 V-0) HR9-6FR

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

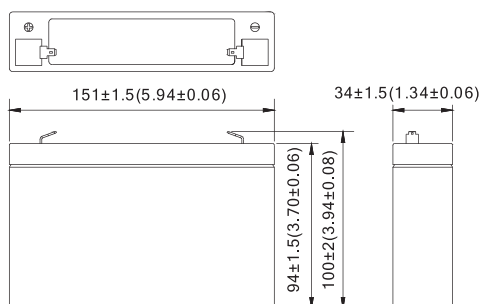
34±1.5 (1.34±0.06)

Container Height

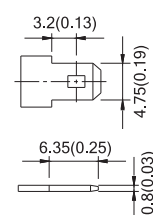
94±1.5 (3.70±0.06)

Total Height

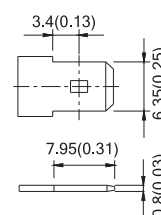
100±2.0 (3.94±0.08)



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		184.5	126.0	91.3	77.9	59.2	45.0	37.6	33.1	18.3
1.70V		220.5	140.7	99.3	82.5	61.7	46.7	38.8	33.9	18.6
1.60V		236.3	148.0	103.8	85.5	63.0	47.8	39.6	34.5	18.9
1.50V		243.0	150.8	106.0	86.9	63.8	48.4	40.1	34.8	19.0
1.40V		247.5	152.8	107.2	87.7	64.3	48.7	40.4	35.0	19.1
1.30V		249.8	154.2	108.0	88.2	64.6	49.0	40.6	35.1	19.1

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