



VRLA Rechargeable Battery

HR9-6



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
- 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(UL 94-HB) HR9-6 Optional: Flame Retardant ABS(UL 94-V0) HR9-6FR



- 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	120 Min
1.80V		184.5	126.0	91.3	77.9	59.2	45.0	37.6	18.3
1.70V		220.5	140.7	99.3	82.5	61.7	46.7	38.8	18.6
1.60V		236.3	148.0	103.8	85.5	63.0	47.8	39.6	18.9
1.50V		243.0	150.8	106.0	86.9	63.8	48.4	40.1	19.0
1.40V		247.5	152.8	107.2	87.7	64.3	48.7	40.4	19.1
1.30V		249.8	154.2	108.0	88.2	64.6	49.0	40.6	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	120 Min
1.80V		32.95	22.11	15.79	13.35	10.03	7.57	6.29	3.04
1.70V		40.09	24.68	17.17	14.14	10.45	7.86	6.49	3.10
1.60V		42.95	25.96	17.95	14.67	10.68	8.04	6.63	3.15
1.50V		44.18	26.45	18.34	14.90	10.81	8.14	6.70	3.17
1.40V		45.00	26.81	18.55	15.03	10.89	8.19	6.76	3.18
1.30V		45.41	27.04	18.69	15.13	10.95	8.23	6.79	3.18

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