



VRLA Rechargeable Battery

HR6-12



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
- 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	12 V
Nominal Capacity	5.5Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	2100g(4.63lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	$\leq 22m\Omega$ (Fully Charged)
Max. Discharge Current	82.5 A (5 sec.)
Max. Charge Current	1.65 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) HR6-12 Optional: Flame Retardant ABS(UL94 V-0) HR6-12FR



MH19884



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

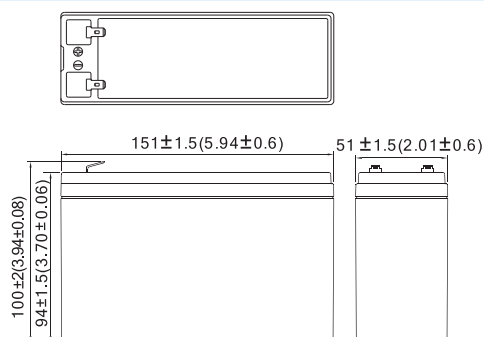
51±1.5 (2.01±0.06)

Container Height

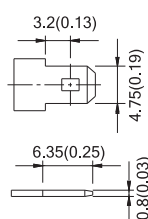
94±1.5 (3.70±0.06)

Total Height

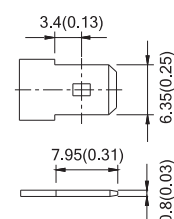
100±2.0 (3.94±0.08)



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		264	178	138.7	115.2	87.6	66.0	55.1	49.8	27.5
1.70V		316	199	153.5	124.2	93.7	68.5	56.9	53.2	28.0
1.60V		339	210	165.0	130.0	97.0	70.1	58.1	56.8	28.7
1.50V		341	211	165.5	130.3	97.3	70.3	58.3	56.9	28.8
1.40V		342	211	165.6	130.4	97.4	70.3	58.3	57.0	28.8
1.30V		343	212	165.7	130.5	97.4	70.4	58.3	57.0	28.8

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		22.0	14.7	11.48	9.70	7.42	5.55	4.61	4.15	2.29
1.70V		26.7	16.4	12.47	10.27	7.98	5.76	4.76	4.43	2.34
1.60V		28.6	17.3	13.70	11.15	8.29	5.89	4.86	4.73	2.39
1.50V		29.5	17.6	13.74	11.16	8.30	5.90	4.87	4.74	2.40
1.40V		30.0	17.9	13.75	11.16	8.31	5.90	4.87	4.74	2.40
1.30V		30.3	18.0	13.75	11.16	8.31	5.90	4.87	4.74	2.40

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

B/2 REV. May, 2021

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