



VRLA Rechargeable Battery

BP7-6



Measures

Technology

Values

Innovation

FEATURES

- Maintenance Free (topping up not needed)
- Non - spillable (no free electrolyte)
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations

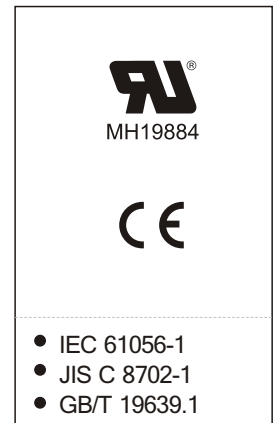
APPLICATIONS

- UPS
- Security Systems
- Medical Equipment
- Laboratory Equipment
- Power Packs
- Emergency Lighting
- R/C Cars & Planes



SPECIFICATIONS

Nominal Voltage	6 V
Nominal Capacity	7.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	1260g(2.78lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤16mΩ (Fully Charged)
Max. Discharge Current	105 A (5 sec.)
Max. Charge Current	2.1 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) BP7-6 Optional: Flame Retardant ABS(UL94 V-0) BP7-6FR



DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

151±1.5 (5.94±0.06)

Width

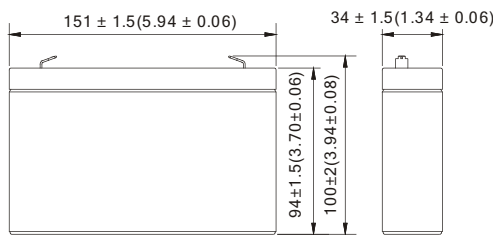
34±1.5 (1.34±0.06)

Container Height

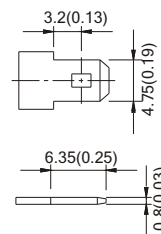
94±1.5 (3.70±0.06)

Total Height

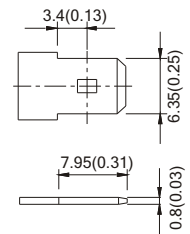
100±2.0 (3.94±0.08)



Terminal T1



Terminal T2



Constant power discharge characteristics at 25 °C/77 °F

Unit: W

Discharge Time F.V.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
5.40V	126.5	93.2	74.7	44.4	25.5	10.20	7.03	3.931	2.069
5.25V	146.5	100.9	78.1	46.1	26.2	10.41	7.14	3.990	2.100
5.10V	155.6	104.5	80.5	47.2	26.7	10.50	7.18	4.010	2.112
4.95V	162.6	107.1	82.4	47.8	27.0	10.57	7.20	4.022	2.118
4.80V	168.0	109.2	84.0	48.3	27.3	10.64	7.23	4.022	2.118

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

Discharge Time F.V.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
5.40V	22.80	16.40	12.98	7.53	4.28	1.70	1.172	0.655	0.345
5.25V	26.87	17.77	13.58	7.81	4.41	1.73	1.190	0.665	0.350
5.10V	28.55	18.41	14.00	7.99	4.49	1.75	1.196	0.668	0.352
4.95V	29.84	18.85	14.32	8.11	4.54	1.76	1.201	0.670	0.353
4.80V	30.83	19.23	14.61	8.19	4.59	1.77	1.204	0.670	0.353

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

For operation, please refer to the instruction from technical manual.

B/3 REV. Jan. 2022

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