

BB BP4.5-6 VRLA Battery Datasheet

<http://www.manuallib.com/bb/bp4-5-6-vrla-battery-datasheet.html>

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).

Absorbent Glass Mat technology for efficient gas recombination.

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VRLA Rechargeable Battery

BP4.5-6 (BP4.5-6FR)



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APPLICATION

- UPS
- Electronic Toy-Cars
- Fans
- Emergency Lights
- Rechargeable Flashlights



SPECIFICATIONS

Nominal Voltage	6 V
Nominal Capacity	4.5Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	910g(2.0lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤21m Ω (Fully Charged)
Max. Discharge Current	67.5 A (5 sec.)
Max. Charge Current	1.35 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	ABS(UL94-HB, UL94-V0 is optional)

ISO 9001	
ISO14001	
UL	
CE	
<ul style="list-style-type: none"> ● IEC 61056-1 ● JIS C 8702-1 ● GB/T 19639.1 	

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

70±1.5 (2.76±0.06)

Width

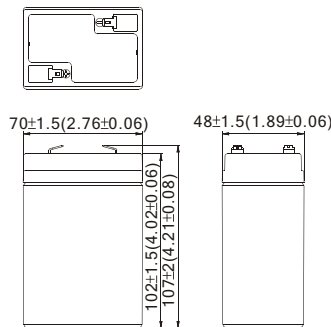
48±1.5 (1.89±0.06)

Container Height

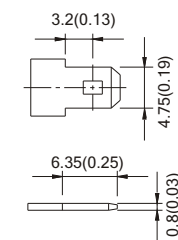
102±1.5 (4.02±0.06)

Total Height

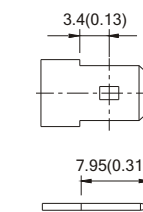
107±2.0 (4.21±0.08)



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	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	81.35	59.89	47.99	28.55	16.38	6.558	4.522	2.527	1.330
1.75V	94.16	64.88	50.20	29.64	16.87	6.690	4.590	2.565	1.350
1.70V	100.04	67.21	51.75	30.32	17.17	6.750	4.615	2.578	1.356
1.65V	104.54	68.82	52.94	30.74	17.38	6.797	4.631	2.586	1.362
1.60V	108.00	70.20	54.00	31.05	17.55	6.838	4.645	2.586	1.362

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

Unit: A

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	14.66	10.54	8.35	4.84	2.752	1.093	0.754	0.421	0.222
1.75V	17.28	11.42	8.73	5.02	2.835	1.115	0.765	0.427	0.225
1.70V	18.36	11.83	9.00	5.14	2.886	1.125	0.769	0.430	0.226
1.65V	19.18	12.12	9.21	5.21	2.920	1.133	0.772	0.431	0.227
1.60V	19.82	12.36	9.39	5.26	2.950	1.140	0.774	0.431	0.227

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