



# VRLA Rechargeable Battery

## BC4.5-6



### FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- Absorbent Glass Mat technology for efficient gas recombination

### 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	720g(1.59lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤20m 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	Standard: ABS( UL 94-HB) BC4.5-6 Optional: Flame Retardant ABS(UL 94-V0) BC4.5-6FR

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ <b>Length</b> 70±1.5 (2.76±0.06)</p> <p>■ <b>Width</b> 48±1.5 (1.89±0.06)</p> <p>■ <b>Container Height</b> 102±1.5 (4.02±0.06)</p> <p>■ <b>Total Height</b> 107±2.0 (4.21±0.08)</p>		<p>● Terminal T1</p> <p>● Terminal T2</p>

### Constant power discharge characteristics at 25 °C/77 °F Unit: W

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	69.15	52.10	42.71	25.98	15.23	6.558	4.522	2.527	1.330
1.75V	80.04	56.45	44.68	26.97	15.69	6.690	4.590	2.565	1.350
1.70V	85.03	58.47	46.06	27.59	15.97	6.750	4.615	2.578	1.356
1.65V	88.86	59.87	47.12	27.97	16.16	6.797	4.631	2.586	1.362
1.60V	91.80	61.07	48.06	28.26	16.32	6.838	4.645	2.586	1.362

### Constant current discharge characteristics at 25 °C/77 °F Unit: A

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	12.46	9.17	7.43	4.40	2.56	1.093	0.754	0.421	0.222
1.75V	14.69	9.94	7.77	4.57	2.64	1.115	0.765	0.427	0.225
1.70V	15.61	10.29	8.01	4.68	2.68	1.125	0.769	0.430	0.226
1.65V	16.30	10.54	8.20	4.74	2.72	1.133	0.772	0.431	0.227
1.60V	16.85	10.75	8.36	4.79	2.74	1.140	0.774	0.431	0.227

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.

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