



# VRLA Rechargeable Battery

## BPS4.5-6



### 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
- Power Packs
- Emergency Lighting
- R/C Cars & Planes



### 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	Standard: ABS(UL 94-HB) BPS4.5-6 Optional: Flame Retardant ABS(UL 94-V0) BPS4.5-6FR

- 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	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

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 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.