



# VRLA Rechargeable Battery

## BPS7-6



### 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
- 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(UL 94-HB) BPS7-6 Optional: Flame Retardant ABS(UL 94-V0) BPS7-6FR

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> 151±1.5 (5.94±0.06)		<b>Terminal T1</b> 
<b>Width</b> 34±1.5 (1.34±0.06)		<b>Terminal T2</b> 
<b>Container Height</b> 94±1.5 (3.70±0.06)		
<b>Total Height</b> 100±2.0 (3.94±0.08)		

### 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	126.5	93.2	74.7	44.4	25.5	10.20	7.03	3.931	2.069
1.75V	146.5	100.9	78.1	46.1	26.2	10.41	7.14	3.990	2.100
1.70V	155.6	104.5	80.5	47.2	26.7	10.50	7.18	4.010	2.112
1.65V	162.6	107.1	82.4	47.8	27.0	10.57	7.20	4.022	2.118
1.60V	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. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	22.80	16.40	12.98	7.53	4.28	1.70	1.172	0.655	0.345
1.75V	26.87	17.77	13.58	7.81	4.41	1.73	1.190	0.665	0.350
1.70V	28.55	18.41	14.00	7.99	4.49	1.75	1.196	0.668	0.352
1.65V	29.84	18.85	14.32	8.11	4.54	1.76	1.201	0.670	0.353
1.60V	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.

A/3 REV. May. 2016 Powered by B.B. Battery Co., Ltd.