



## VRLA Rechargeable Battery

# BPS3.6-12



### 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	12 V
Nominal Capacity	3.6Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	1320g(2.91lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤50m Ω (Fully Charged)
Max. Discharge Current	54 A (5 sec.)
Max. Charge Current	1.08 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) BPS3.6-12 Optional: Flame Retardant ABS(UL 94-V0) BPS3.6-12FR

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ <b>Length</b> 134±1.5 (5.28±0.06)</p> <p>■ <b>Width</b> 67±1.5 (2.64±0.06)</p> <p>■ <b>Container Height</b> 60±1.5 (2.36±0.06)</p> <p>■ <b>Total Height</b> 66±2.0 (2.60±0.08)</p>		<p>• Terminal T1</p> <p>• Terminal T2</p>

### 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	130.2	95.8	76.8	45.69	26.20	10.49	7.235	4.043	2.128
1.75V	150.7	103.8	80.3	47.42	26.99	10.70	7.344	4.104	2.160
1.70V	160.1	107.5	82.8	48.51	27.47	10.80	7.384	4.124	2.174
1.65V	167.3	110.1	84.7	49.19	27.80	10.88	7.410	4.137	2.174
1.60V	172.8	112.3	86.4	49.68	28.08	10.94	7.432	4.137	2.174

### 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	11.73	8.43	6.68	3.87	2.202	0.874	0.603	0.337	0.177
1.75V	13.82	9.14	6.98	4.02	2.268	0.892	0.612	0.342	0.180
1.70V	14.68	9.47	7.20	4.11	2.309	0.900	0.615	0.344	0.181
1.65V	15.34	9.69	7.37	4.17	2.336	0.906	0.617	0.345	0.181
1.60V	15.85	9.89	7.51	4.21	2.360	0.912	0.619	0.345	0.181

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

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

A/3 REV. May. 2016

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