



# VRLA Rechargeable Battery

## BPS5-12



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



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	5.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	1800g(3.97lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤27m Ω (Fully Charged )
Max. Discharge Current	75 A (5 sec.)
Max. Charge Current	1.5 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) BPS5-12 Optional: Flame Retardant ABS(UL 94-V0) BPS5-12FR

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> 90±1.5 (3.54±0.06)		<b>Terminal T1</b> 
<b>Width</b> 70±1.5 (2.76±0.06)		<b>Terminal T2</b> 
<b>Container Height</b> 102±1.5 (4.02±0.06)		
<b>Total Height</b> 106±2.0 (4.17±0.08)		

### 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	180.8	133.1	106.6	63.5	36.39	14.57	10.05	5.62	2.96
1.75V	209.2	144.2	111.5	65.9	37.48	14.87	10.20	5.70	3.00
1.70V	222.3	149.4	115.0	67.4	38.16	15.00	10.26	5.73	3.01
1.65V	232.3	152.9	117.6	68.3	38.61	15.10	10.29	5.75	3.02
1.60V	240.0	156.0	120.0	69.0	39.00	15.20	10.32	5.75	3.02

### 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	16.3	11.71	9.27	5.38	3.06	1.21	0.837	0.468	0.246
1.75V	19.2	12.69	9.70	5.58	3.15	1.24	0.850	0.475	0.250
1.70V	20.4	13.15	10.00	5.71	3.21	1.25	0.855	0.477	0.251
1.65V	21.3	13.46	10.23	5.79	3.24	1.26	0.858	0.479	0.252
1.60V	22.0	13.73	10.43	5.85	3.28	1.27	0.860	0.479	0.252

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