



# VRLA Rechargeable Battery

## BP4-12



### FEATURES

- Maintenance free(no water topping-up required).
- No free acid(Non-spillable battery).
- Low self-discharge rate, lower than 3% capacity loss per month.
- Can be used in any orientation(excluding used inverted).
- Absorbent Glass Mat technology for efficient gas recombination.

### APPLICATION

- UPS
- Toy-Cars
- Fans
- Electronic Doorbells



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	4.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	1670g(3.68lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤45m Ω (Fully Charged )
Max. Discharge Current	60 A (5 sec.)
Max. Charge Current	1.2 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) BP4-12 Optional: Flame Retardant ABS(UL 94-V0) BP4-12FR

- 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>Width</b> 70±1.5 (2.76±0.06)		
<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

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	144.6	106.5	85.3	50.76	29.11	11.66	8.039	4.493	2.364
1.75V	167.4	115.3	89.2	52.69	29.99	11.89	8.160	4.560	2.400
1.70V	177.9	119.5	92.0	53.90	30.52	12.00	8.205	4.583	2.412
1.65V	185.8	122.4	94.1	54.65	30.89	12.08	8.233	4.596	2.424
1.60V	192.0	124.8	96.0	55.20	31.20	12.16	8.258	4.596	2.424

### 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	13.03	9.37	7.42	4.30	2.446	0.972	0.670	0.374	0.197
1.75V	15.36	10.15	7.76	4.47	2.520	0.991	0.680	0.380	0.200
1.70V	16.32	10.52	8.00	4.57	2.565	1.000	0.684	0.382	0.201
1.65V	17.05	10.77	8.18	4.63	2.596	1.007	0.686	0.383	0.202
1.60V	17.61	10.99	8.35	4.68	2.622	1.013	0.688	0.383	0.202

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