



# VRLA Rechargeable Battery

## BP7.5-12



### 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
- Laboratory Equipment
- Fishing Lights
- Toy-Cars
- Power Packs



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	7.5Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	2650g(5.84lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	≤25mΩ (Fully Charged )
Max. Discharge Current	112.5 A (5 sec.)
Max. Charge Current	2.25 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) BP7.5-12 Optional: Flame Retardant ABS(UL 94-V0) BP7.5-12FR

- 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>Width</b> 65±1.5 (2.56±0.06)		
<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	271	200	160	95.2	54.6	21.9	15.07	8.42	4.43
1.75V	314	216	167	98.8	56.2	22.3	15.30	8.55	4.50
1.70V	333	224	173	101.1	57.2	22.5	15.38	8.59	4.52
1.65V	348	229	176	102.5	57.9	22.7	15.44	8.62	4.54
1.60V	360	234	180	103.5	58.5	22.8	15.48	8.62	4.54

### 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	24.4	17.6	13.9	8.07	4.59	1.82	1.256	0.702	0.369
1.75V	28.8	19.0	14.5	8.37	4.72	1.86	1.275	0.712	0.375
1.70V	30.6	19.7	15.0	8.56	4.81	1.87	1.282	0.716	0.377
1.65V	32.0	20.2	15.3	8.68	4.87	1.89	1.286	0.718	0.378
1.60V	33.0	20.6	15.7	8.77	4.92	1.90	1.290	0.718	0.378

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