



VRLA Rechargeable Battery

BPL7.5-12



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
- Toy-Cars
- Power Packs
- Fishing Lights



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	7.5Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	2700g(5.95lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	$\leq 25m\ \Omega$ (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) BPL7.5-12 Optional: Flame Retardant ABS(UL 94-V0) BPL7.5-12FR



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

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

151±1.5 (5.94±0.06)

Width

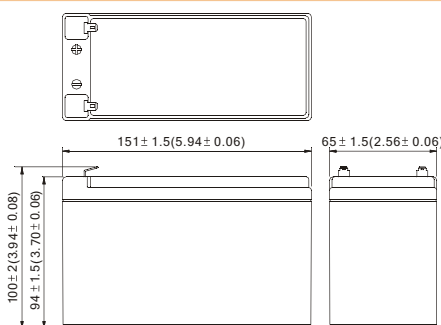
65±1.5 (2.56±0.06)

Container Height

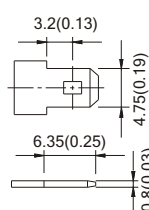
94±1.5 (3.70±0.06)

Total Height

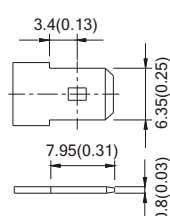
100±2.0 (3.94±0.08)



Terminal T1



Terminal T2



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	244.3	183.6	148.7	89.46	51.86	21.86	15.11	8.42	4.40
1.75V	282.9	199.0	155.7	92.89	53.36	22.29	15.32	8.55	4.50
1.70V	300.0	206.1	160.4	94.93	54.32	22.50	15.43	8.59	4.52
1.65V	313.9	211.1	164.1	96.32	55.07	22.71	15.54	8.61	4.53
1.60V	323.6	215.3	167.4	97.29	55.61	22.82	15.54	8.61	4.53

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	22.01	16.17	12.93	7.582	4.358	1.821	1.259	0.702	0.367
1.75V	25.95	17.51	13.54	7.872	4.484	1.857	1.277	0.713	0.375
1.70V	27.52	18.15	13.95	8.045	4.565	1.875	1.286	0.716	0.377
1.65V	28.80	18.58	14.27	8.163	4.628	1.893	1.295	0.718	0.378
1.60V	29.69	18.95	14.55	8.245	4.673	1.902	1.295	0.718	0.378

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