



VRLA Rechargeable Battery

BPL28-12



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
- Wheelchairs
- Lawn Mowers
- Electronic Medical Equipment
- Golf-Carts



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	28.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	9.7Kg(21.39lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	$\leq 10\text{m}\Omega$ (Fully Charged)
Max. Discharge Current	420 A (5 sec.)
Max. Charge Current	8.4 A
Operating Temperature Range	Charge : $0^{\circ}\text{C}\sim 40^{\circ}\text{C}(32^{\circ}\text{F}\sim 104^{\circ}\text{F})$ Discharge : $-20^{\circ}\text{C}\sim 50^{\circ}\text{C}(-4^{\circ}\text{F}\sim 122^{\circ}\text{F})$ Storage. : $-20^{\circ}\text{C}\sim 40^{\circ}\text{C}(-4^{\circ}\text{F}\sim 104^{\circ}\text{F})$
Container Material	Standard: ABS(UL 94-HB) BPL28-12 Optional: Flame Retardant ABS(UL 94-V0) BPL28-12FR



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

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

175±1.5 (6.89±0.06)

Width

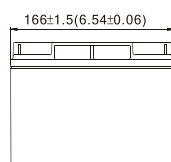
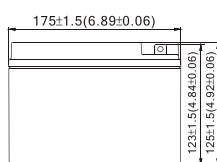
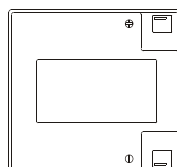
166±1.5 (6.54±0.06)

Container Height

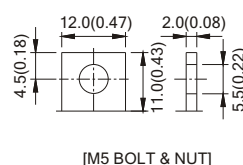
125±1.5 (4.92±0.06)

Total Height

125±1.5 (4.92±0.06)

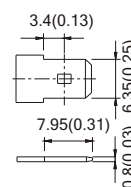


Terminal B1

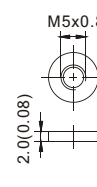


[M5 BOLT & NUT]

Terminal T2



Terminal I1



[M5 BOLT & NUT]

Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)

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		912.0	685.6	555.2	334.0	193.6	81.6	56.4	31.44	16.44
1.75V		1056.0	742.8	581.2	346.8	199.2	83.2	57.2	31.92	16.80
1.70V		1120.0	769.6	598.8	354.4	202.8	84.0	57.6	32.08	16.88
1.65V		1172.0	788.0	612.8	359.6	205.6	84.8	58.0	32.16	16.92
1.60V		1208.0	803.6	624.8	363.2	207.6	85.2	58.0	32.16	16.92

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		82.2	60.4	48.3	28.3	16.3	6.80	4.70	2.62	1.37
1.75V		96.9	65.4	50.5	29.4	16.7	6.93	4.77	2.66	1.40
1.70V		102.8	67.7	52.1	30.0	17.0	7.00	4.80	2.67	1.41
1.65V		107.5	69.4	53.3	30.5	17.3	7.07	4.83	2.68	1.41
1.60V		110.8	70.7	54.3	30.8	17.4	7.10	4.83	2.68	1.41

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