



VRLA Rechargeable Battery

BP28-12



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



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	28Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	9600g(21.17lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	$\leq 10m\ \Omega$ (Fully Charged)
Max. Discharge Current	420 A (5 sec.)
Max. Charge Current	8.4 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) BP28-12 Optional: Flame Retardant ABS(UL 94-V0) BP28-12FR



- 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 ●Terminal T2 ●Terminal I1 Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)

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	1012	745	597	355	203.8	81.6	56.3	31.45	16.55
1.75V	1172	807	625	369	209.9	83.2	57.1	31.92	16.80
1.70V	1245	836	644	377	213.7	84.0	57.4	32.08	16.88
1.65V	1301	856	659	383	216.2	84.6	57.6	32.18	16.93
1.60V	1344	874	672	386	218.4	85.1	57.8	32.18	16.93

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	91.2	65.6	51.9	30.1	17.12	6.80	4.69	2.621	1.379
1.75V	107.5	71.1	54.3	31.3	17.64	6.94	4.76	2.660	1.400
1.70V	114.2	73.6	56.0	32.0	17.96	7.00	4.79	2.673	1.407
1.65V	119.3	75.4	57.3	32.4	18.17	7.05	4.80	2.681	1.411
1.60V	123.3	76.9	58.4	32.7	18.35	7.09	4.82	2.681	1.411

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