



VRLA Rechargeable Battery

BP28-12



FEATURES

- Maintenance Free (topping up not needed)
- Non-spillable (no free electrolyte)
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations

APPLICATIONS

- UPS
- Telecom Systems
- Switch Boards
- Security Systems
- Medical Systems
- Photovoltaic Systems
- Emergency Lighting
- Golf Carts



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	≤10m Ω (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(UL94 HB) BP28-12 Optional: Flame Retardant ABS(UL94 V-0) BP28-12FR

UL[®]
MH19884

CE

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ Length 175±1.5 (6.89±0.06)</p> <p>■ Width 166±1.5 (6.54±0.06)</p> <p>■ Container Height 125±1.5 (4.92±0.06)</p> <p>■ Total Height 125±1.5 (4.92±0.06)</p>		<p>● Terminal B1 ● Terminal T2 ● Terminal I1</p> <p>Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)</p>

Constant power discharge characteristics at 25 °C/77 °F Unit: W

Discharge Time F.V.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	1012	745	597	355	203.8	81.6	56.3	31.45	16.55
10.5V	1172	807	625	369	209.9	83.2	57.1	31.92	16.80
10.2V	1245	836	644	377	213.7	84.0	57.4	32.08	16.88
9.9V	1301	856	659	383	216.2	84.6	57.6	32.18	16.93
9.6V	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.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	91.2	65.6	51.9	30.1	17.12	6.80	4.69	2.621	1.379
10.5V	107.5	71.1	54.3	31.3	17.64	6.94	4.76	2.660	1.400
10.2V	114.2	73.6	56.0	32.0	17.96	7.00	4.79	2.673	1.407
9.9V	119.3	75.4	57.3	32.4	18.17	7.05	4.80	2.681	1.411
9.6V	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 herein.

For operation, please refer to the instruction from technical manual.

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