



VRLA Rechargeable Battery

EP28-12



FEATURES

- Absorbent Glass Mat technology for efficient gas recombination
- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed for heavy duty cyclic application


APPLICATIONS

- UPS
- Golf-Carts
- Wheelchairs
- Lawn Mowers
- Electric Vehicles




SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	28Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	9700g(21.39lbs.)
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) EP28-12 Optional: Flame Retardant ABS(UL94 V-0) EP28-12FR

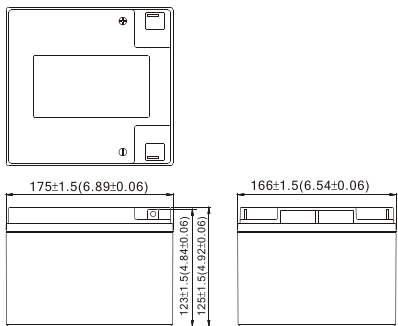
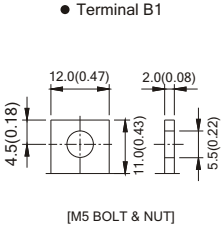
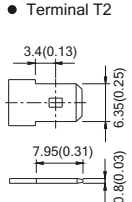
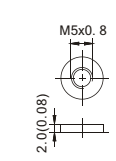


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C4M20310-2474-E-16

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> ■ 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) 		<ul style="list-style-type: none"> ● Terminal B1  ● Terminal T2  ● Terminal I1  <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	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
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 herein.

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

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