

## VRLA Rechargeable Battery

# EP12-12

### 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
- Its design life is approx.400 cycles at 100% discharge in cycle service at 77°F/25°C

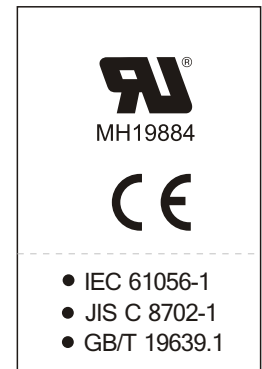
### APPLICATION

- UPS
- Electric Vehicle
- Power Packs
- Fishing Lights
- Lawn mower



### SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| Nominal Voltage             | 12V   |
| Nominal Capacity            | 12.0 Ah@20 Hour Rate (600mA, 10.5V)   |
| Approx. Weight              | 4200g(9.26lbs.)   |
| Terminals                   | T2 (Faston Tab 250) T1 is optional  |
| Max. Discharge Current      | 180 A (5 sec.)  |
| Max. Charge Current         | 3.60 A  |
| Operating Temperature Range | Charge 0°C~40°C(32°F~104°F)<br>Discharge -20°C~50°C(-4°F~122°F)<br>Storage -20°C~40°C(-4°F~104°F) |
| Internal Resistance         | ≤16mΩ (Fully Charged )  |
| Container Material          | Standard: ABS( UL 94-HB) EP12-12<br>Optional: Flame Retardant ABS (UL 94-V0) EP12-12FR            |

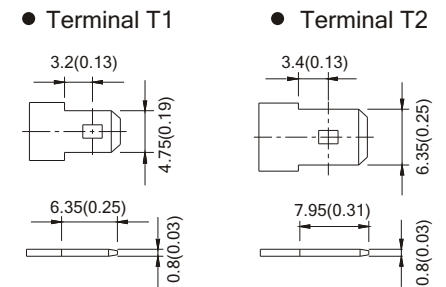
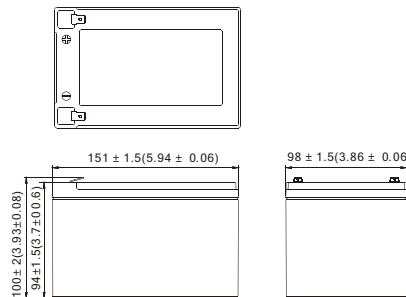


### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

- Length  
151±1.5(5.94±0.06)
- Width  
98±1.5(3.86±0.06)
- Container Height  
94±1.5(3.70±0.06)
- Total Height  
100±2.0(3.93±0.08)



### 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          | 391.0 | 293.8  | 238.1  | 143.2  | 83.0 | 35.0 | 24.10 | 13.48 | 7.05  |
| 1.75V          | 452.0 | 318.3  | 249.0  | 148.6  | 85.5 | 35.7 | 24.50 | 13.68 | 7.20  |
| 1.70V          | 480.0 | 329.8  | 256.7  | 152.0  | 87.0 | 36.0 | 24.60 | 13.75 | 7.23  |
| 1.65V          | 502.0 | 337.7  | 262.6  | 154.2  | 88.0 | 36.3 | 24.70 | 13.80 | 7.25  |
| 1.60V          | 518.0 | 344.4  | 267.8  | 155.7  | 88.9 | 36.5 | 24.80 | 13.80 | 7.25  |

### 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          | 35.23 | 25.86  | 20.70  | 12.14  | 6.97 | 2.92 | 2.008 | 1.123 | 0.588 |
| 1.75V          | 41.47 | 28.02  | 21.65  | 12.59  | 7.18 | 2.98 | 2.042 | 1.140 | 0.600 |
| 1.70V          | 44.04 | 29.03  | 22.32  | 12.88  | 7.31 | 3.00 | 2.050 | 1.146 | 0.603 |
| 1.65V          | 46.06 | 29.73  | 22.83  | 13.07  | 7.39 | 3.03 | 2.058 | 1.150 | 0.604 |
| 1.60V          | 47.52 | 30.32  | 23.29  | 13.19  | 7.47 | 3.04 | 2.067 | 1.150 | 0.604 |

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

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