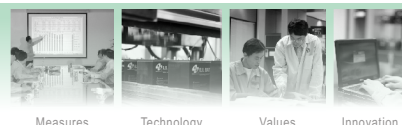


## VRLA Rechargeable Battery

# BP230-12



Measures

Technology

Values

Innovation

### FEATURES

- Maintenance Free ( topping up not needed )
- Non - spillable ( no free electrolyte )
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations
- integrated Flame Arrestor at each cell
- Carry Handles for easy installation

### APPLICATIONS

- UPS
- Telecom Systems
- Switch Boards
- Photovoltaic Systems



### SPECIFICATIONS

|                             |                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| Nominal Voltage             | 12 V                                                                                                     |
| Nominal Capacity            | 230Ah @ 20 hour rate F.V.(1.75V/cell)                                                                    |
| Approx. Weight              | 72.5Kg(159.8lbs.)                                                                                        |
| Terminals                   | B9 (Fitting M8 bolt & nut) I3 is optional                                                                |
| Internal Resistance         | $\leq 2.5m\Omega$ (Fully Charged )                                                                       |
| Max. Discharge Current      | 800 A (5 sec.)                                                                                           |
| Max. Charge Current         | 69 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) |
| Container Material          | Standard: ABS( UL94 HB) BP230-12<br>Optional: Flame Retardant ABS(UL94 V-0) BP230-12FR                   |

**UL**  
MH19884



- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.1

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

#### Length

522±2.0 (20.55±0.08)

#### Width

240±2.0 (9.45±0.08)

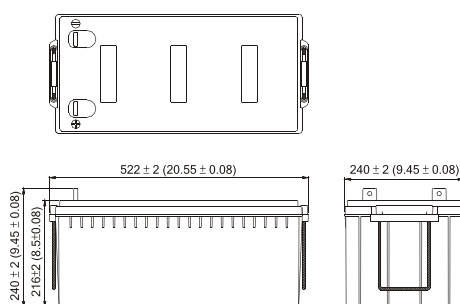
#### Container Height

216±2.0 (8.50±0.08)

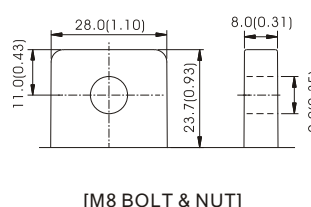
#### Total Height

B9:240±2.0 (9.45±0.08)

I3:220±2.0 (8.66±0.08)

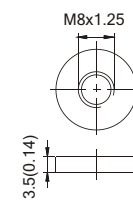


#### Terminal B9



[M8 BOLT & NUT]

#### Terminal I3



[M8 BOLT]

Terminal Hardware Initial Torque: B9,I3(10.0Nm±5%)

### Constant power discharge characteristics at 25 °C/77 °F

Unit: W

| Discharge Time<br>F.V. | 15 Min | 30 Min | 1 Hr | 3 Hr  | 5 Hr  | 10 Hr | 20 Hr |
|------------------------|--------|--------|------|-------|-------|-------|-------|
| 10.8V                  | 4283   | 2918   | 1674 | 670.3 | 462.3 | 258.3 | 135.9 |
| 10.5V                  | 4480   | 3029   | 1724 | 683.8 | 469.2 | 262.2 | 138.0 |
| 10.2V                  | 4618   | 3098   | 1755 | 690.0 | 471.8 | 263.5 | 138.7 |
| 9.9V                   | 4724   | 3141   | 1776 | 694.9 | 473.5 | 264.2 | 139.1 |
| 9.6V                   | 4819   | 3174   | 1794 | 698.9 | 474.8 | 264.2 | 139.1 |

### Constant current discharge characteristics at 25 °C/77 °F

Unit: A

| Discharge Time<br>F.V. | 15 Min | 30 Min | 1 Hr  | 3 Hr  | 5 Hr  | 10 Hr | 20 Hr |
|------------------------|--------|--------|-------|-------|-------|-------|-------|
| 10.8V                  | 372.4  | 247.3  | 140.7 | 55.86 | 38.53 | 21.52 | 11.32 |
| 10.5V                  | 389.6  | 256.7  | 144.9 | 56.98 | 39.10 | 21.85 | 11.50 |
| 10.2V                  | 401.6  | 262.6  | 147.5 | 57.50 | 39.32 | 21.96 | 11.55 |
| 9.9V                   | 410.8  | 266.2  | 149.3 | 57.91 | 39.46 | 22.02 | 11.59 |
| 9.6V                   | 419.0  | 269.0  | 150.8 | 58.24 | 39.56 | 22.02 | 11.59 |

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.

B/4 REV. May, 2025

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