

## FEATURES

- The sulfuric acid is mixed with silica fume, which makes the resulting mass gel-like and immobile.
- Increased durability and deep cycle ability for heavy demand.
- High temperature stability, mechanical strength and low acid displacement.
- Superior performance with deep discharges.
- Patented safety valve to have accurate pressure operating for long battery life.

## APPLICATIONS

- UPS
- Security
- Telecommunication
- Electronic Medical Equipment
- Emergency Lighting



## SPECIFICATIONS

|                             |  |
|-----------------------------|--|
| Nominal Voltage             | 12 V   |
| Nominal Capacity            | 160 Ah @ 20 hour rate F.V.(1.75V/cell)<br>152 Ah @ 10 hour rate F.V.(1.80V/cell)         |
| Approx. Weight              | 55Kg(121.3lbs.)  |
| Terminals                   | B9 (Fitting M8 bolt & nut) I3 is optional  |
| Internal Resistance         | ≤5.0m Ω (Fully Charged )   |
| Max. Discharge Current      | 800 A (5 sec.)   |
| Max. Charge Current         | 32.0 A   |
| Self Discharge              | < 2% per month (25°C)  |
| Operating Temperature Range | -20°C~55°C(-4°F~131°F)   |
| Container Material          | Standard: ABS( UL94 HB) GB 12/160<br>Optional: Flame Retardant ABS(UL94 V-0) GB 12/160FR |



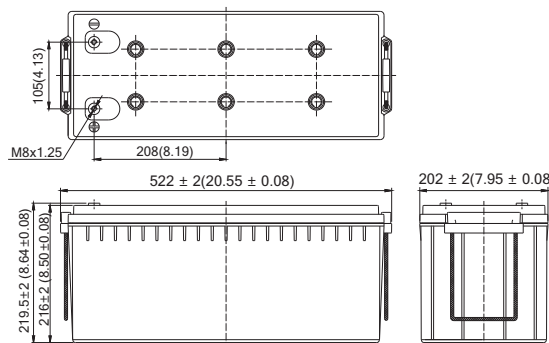
- GB/T 19638.2-2005
- IEC60896-21/22 2004

## DIMENSION(mm/inch)

## OUTER DIMENSIONS

## TERMINAL TYPE

- Length  
522±2.0 (20.55±0.08)
- Width  
202±2.0 (7.95±0.08)
- Container Height  
216±2.0 (8.50±0.08)
- Total Height  
219.5±2.0 (8.64±0.08)



● Terminal B9

● Terminal I3

[M8 BOLT & NUT]

[M8 BOLT]

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

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

Unit: W

| F.V. (V/cell) \ Discharge Time | 30 Min | 1 Hr | 3 Hr  | 5 Hr  | 10 Hr | 20 Hr |
|--------------------------------|--------|------|-------|-------|-------|-------|
| 1.80V                          | 1797   | 1063 | 464.0 | 320.0 | 182.9 | 93.3  |
| 1.75V                          | 1824   | 1095 | 473.4 | 325.3 | 183.2 | 96.0  |
| 1.70V                          | 1838   | 1118 | 479.1 | 327.6 | 183.6 | 96.6  |
| 1.65V                          | 1840   | 1131 | 482.7 | 329.1 | 183.8 | 97.0  |
| 1.60V                          | 1843   | 1143 | 485.3 | 329.9 | 184.2 | 97.4  |

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

Unit: A

| F.V. (V/cell) \ Discharge Time | 30 Min | 1 Hr | 3 Hr  | 5 Hr  | 10 Hr | 20 Hr |
|--------------------------------|--------|------|-------|-------|-------|-------|
| 1.80V                          | 149.7  | 90.5 | 38.84 | 26.67 | 15.24 | 7.77  |
| 1.75V                          | 152.0  | 93.3 | 39.63 | 27.12 | 15.27 | 8.00  |
| 1.70V                          | 153.1  | 95.3 | 40.10 | 27.35 | 15.30 | 8.05  |
| 1.65V                          | 153.6  | 96.5 | 40.42 | 27.43 | 15.32 | 8.08  |
| 1.60V                          | 153.6  | 97.4 | 40.62 | 27.51 | 15.34 | 8.11  |

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