

## 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            | 110 Ah @ 20 hour rate F.V.(1.75V/cell)<br>103 Ah @ 10 hour rate F.V.(1.80V/cell)         |
| Approx. Weight              | 39Kg(85.98lbs.)                                                                          |
| Terminals                   | I2                                                                                       |
| Internal Resistance         | ≤5mΩ (Fully Charged )                                                                    |
| Max. Discharge Current      | 800 A (5 sec.)                                                                           |
| Max. Charge Current         | 22.0 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 12/110<br>Optional: Flame Retardant ABS(UL94 V-0) GB 12/110FR |

**UL**  
MH19884



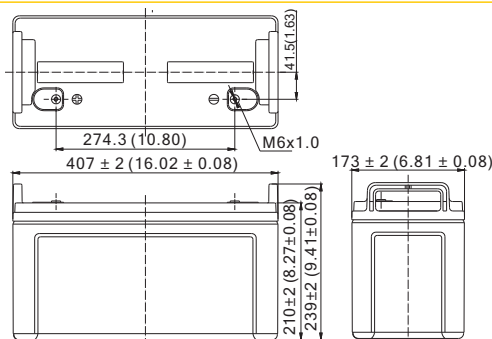
- GB/T 19638.1
- IEC60896-21/22

## DIMENSION(mm/inch)

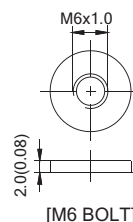
## OUTER DIMENSIONS

## TERMINAL TYPE

- Length  
407±2.0(16.02±0.08)
- Width  
173±2.0(6.81±0.08)
- Container Height  
210±2.0(8.27±0.08)
- Total Height  
239±2.0(9.41±0.08)



- Terminal I2



Terminal Hardware Initial Torque: I2(5.5Nm±5%)

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

Unit: W

| Discharge Time<br>F.V.<br>(V/cell) | 30 Min | 1 Hr | 3 Hr  | 5 Hr  | 10 Hr | 20 Hr |
|------------------------------------|--------|------|-------|-------|-------|-------|
| 1.80V                              | 1268   | 752  | 328.8 | 232.2 | 123.7 | 65.12 |
| 1.75V                              | 1288   | 774  | 335.5 | 235.7 | 125.6 | 66.00 |
| 1.70V                              | 1297   | 791  | 339.5 | 237.7 | 126.6 | 66.64 |
| 1.65V                              | 1303   | 800  | 342.2 | 238.5 | 127.0 | 66.84 |
| 1.60V                              | 1303   | 809  | 344.0 | 239.3 | 127.0 | 66.84 |

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

Unit: A

| Discharge Time<br>F.V.<br>(V/cell) | 30 Min | 1 Hr  | 3 Hr  | 5 Hr  | 10 Hr | 20 Hr |
|------------------------------------|--------|-------|-------|-------|-------|-------|
| 1.80V                              | 109.4  | 64.06 | 27.54 | 19.41 | 10.31 | 5.427 |
| 1.75V                              | 111.6  | 66.00 | 28.10 | 19.70 | 10.47 | 5.500 |
| 1.70V                              | 113.0  | 67.40 | 28.44 | 19.87 | 10.55 | 5.553 |
| 1.65V                              | 114.4  | 68.22 | 28.66 | 19.94 | 10.58 | 5.570 |
| 1.60V                              | 115.0  | 68.91 | 28.81 | 20.00 | 10.58 | 5.570 |

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