

### 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            | 80 Ah @ 20 hour rate F.V.(1.75V/cell)<br>75 Ah @ 10 hour rate F.V.(1.80V/cell)         |
| Approx. Weight              | 29500g(65.04lbs.)                                                                      |
| Terminals                   | I2                                                                                     |
| Internal Resistance         | ≤6mΩ (Fully Charged )                                                                  |
| Max. Discharge Current      | 700 A (5 sec.)                                                                         |
| Max. Charge Current         | 16.0 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 12/80<br>Optional: Flame Retardant ABS(UL94 V-0) GB 12/80FR |

**UL**  
MH19884



- GB/T 19638.1
- IEC60896-21/22

| DIMENSION(mm/inch)                                                                                                                                                         | OUTER DIMENSIONS | TERMINAL TYPE                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------|
| <b>Length</b><br>329.0±2 (12.95±0.08)<br><b>Width</b><br>172.0±2(6.77±0.08)<br><b>Container Height</b><br>214.5±2(8.44±0.08)<br><b>Total Height</b><br>219.0±2 (8.60±0.08) |                  | <p>Terminal Hardware Initial Torque: I2(5.5Nm±5%)</p> |

| Constant power discharge characteristics at 25 °C/77 °F |        |      |      |       | Unit: W |       |
|---------------------------------------------------------|--------|------|------|-------|---------|-------|
| F.V.<br>(V/cell)<br>Discharge<br>Time                   | 30 Min | 1 Hr | 3 Hr | 5 Hr  | 10 Hr   | 20 Hr |
| 1.80V                                                   | 915    | 549  | 238  | 164.2 | 90.0    | 47.52 |
| 1.75V                                                   | 978    | 562  | 242  | 166.9 | 90.5    | 48.00 |
| 1.70V                                                   | 1009   | 575  | 246  | 168.6 | 91.2    | 48.60 |
| 1.65V                                                   | 1020   | 581  | 248  | 169.0 | 91.6    | 48.84 |
| 1.60V                                                   | 1027   | 582  | 248  | 169.3 | 91.7    | 48.96 |

| Constant current discharge characteristics at 25 °C/77 °F |        |       |       |       | Unit: A |       |  |
|-----------------------------------------------------------|--------|-------|-------|-------|---------|-------|--|
| F.V.<br>(V/cell)<br>Discharge<br>Time                     | 30 Min | 1 Hr  | 3 Hr  | 5 Hr  | 10 Hr   | 20 Hr |  |
| 1.80V                                                     | 76.50  | 46.00 | 19.98 | 13.87 | 7.50    | 3.96  |  |
| 1.75V                                                     | 82.00  | 47.10 | 20.25 | 14.08 | 7.54    | 4.00  |  |
| 1.70V                                                     | 84.30  | 48.10 | 20.43 | 14.20 | 7.60    | 4.05  |  |
| 1.65V                                                     | 85.60  | 48.50 | 20.56 | 14.27 | 7.63    | 4.07  |  |
| 1.60V                                                     | 86.10  | 48.70 | 20.68 | 14.30 | 7.64    | 4.08  |  |

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