VRLA Rechargeable Battery

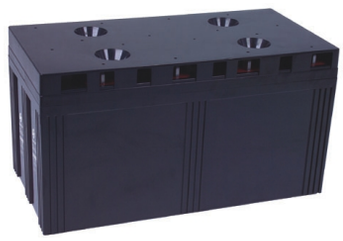
MSB-3000 (2V, 3000Ah)

FEATURES

- Sealed structure, no electrolyte leakage or spill.
- High performance alloy to secure corrosion-proof feature.
- Unique electrolyte system achieves maximum service life.
- Special paste formula promotes the good charging acceptance.
- Electrolyte with gel technology.
- 15 years design life floating charging.
- Absorbent Glass Mat technology for efficient gas recombination.

APPLICATION

- Telecom
- UPS
- Central Office
- Energy Storage Systems



SPECIFICATIONS

Nominal Voltage	2 V
Nominal Capacity	3000Ah @ 10 hour rate F.V.(1.80V/cell)
Approx. Weight	215.0Kg(473.9lbs.)
Terminals	B6 (Fitting M8 bolt & nut)
Internal Resistance	≦0.3m Ω (Fully Charged)
Max. Discharge Current	9000 A (5 sec.)
Max. Charge Current	750 A
Operating Temperature Range	Charge 0°C~40°C(32°F~104°F) Discharge -20°C~50°C(-4°F~122°F) Storage. -20°C~40°C(-4°F~104°F)
Safety Valve	Opening pressure 10~35 kPa
Container Material	Standard: ABS(UL94 HB) MSB-3000 Optional: Flame Retardant ABS(UL94 V-0) MSB-3000FR

MH19884

TS-1352

- IEC60896-21/22
- JIS C 8704-2
- GB/T19638.2
- YD/T799

DIMENSION(mm/inch)

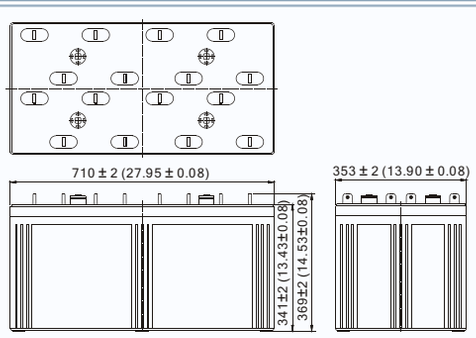
Length
710±2.0 (27.95±0.08)

Width
353±2.0 (13.90±0.08)

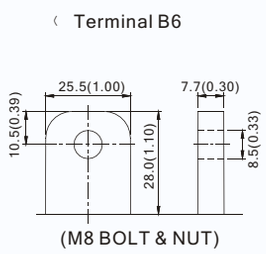
Container Height
341±2.0 (13.43±0.08)

Total Height
369±2.0 (14.53±0.08)

OUTER DIMENSIONS



TERMINAL TYPE



Terminal Hardware Initial Torque: 10.0 Nm ± 5%

Constant power discharge characteristics at 25 °C/77 °F Unit: W

F.V. (V/cell) \ Discharge Time	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V	2700.0	1737.0	1352.9	1051.6	906.0	807.0	667.5	558.0	483.60	301.32
1.80V	2970.0	1875.0	1433.2	1158.0	987.0	859.5	714.0	590.6	506.94	315.98
1.75V	3150.0	1987.5	1508.9	1213.2	1032.0	897.0	736.5	616.8	524.32	325.39
1.70V	3360.0	2055.0	1560.5	1237.5	1057.5	919.5	751.5	637.5	536.56	330.75
1.65V	3465.0	2085.0	1592.3	1263.0	1072.5	937.5	765.0	646.5	544.14	333.55
1.60V	3495.0	2115.0	1607.4	1278.0	1087.5	942.0	774.0	652.5	546.66	334.49

Constant current discharge characteristics at 25 °C/77 °F Unit: A

F.V. (V/cell) \ Discharge Time	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V	1440.0	915.0	707.4	555.0	469.7	405.0	330.0	280.5	243.10	151.47
1.80V	1590.0	990.0	750.0	612.0	510.0	435.0	363.0	300.0	257.50	160.50
1.75V	1695.0	1054.5	794.1	642.0	540.0	465.0	379.5	316.5	269.03	166.95
1.70V	1818.0	1099.5	827.7	658.5	558.0	480.0	393.0	328.5	276.49	171.75
1.65V	1891.5	1129.5	855.2	675.0	573.0	498.0	405.0	334.5	280.04	174.00
1.60V	1939.5	1162.5	873.5	687.0	582.0	502.5	412.5	337.5	282.66	174.45

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