



## VRLA Rechargeable Battery

# MSU-2000 (2V, 2000Ah)



### 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.
- Absorbent Glass Mat technology for efficient gas recombination.

### APPLICATIONS

- Telecom
- UPS
- Central Office
- Energy Storage Systems



### SPECIFICATIONS

Nominal Voltage	2 V
Nominal Capacity	2000Ah @ 10 hour rate F.V.(1.80V/cell)
Approx. Weight	117.0Kg(257.9lbs.)
Terminals	B6 (Fitting M8 bolt & nut)
Internal Resistance	≤ 0.4m Ω (Fully Charged)
Max. Discharge Current	7000 A (5 sec.)
Max. Charge Current	500 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) MSU-2000 Optional: Flame Retardant ABS(UL94 V-0) MSU-2000FR



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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> 400±2.0 (15.75±0.08)		Terminal B6
<b>Width</b> 350±2.0 (13.78±0.08)		
<b>Container Height</b> 341±2.0 (13.43±0.08)		(M8 BOLT & NUT)
<b>Total Height</b> 369±2.0 (14.53±0.08)		Terminal Hardware Initial Torque: 10.0 Nm ± 5%

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	1800.0	1158.0	901.9	701.1	604.0	538.0	445.0	372.0	322.40	200.88
1.80V	1980.0	1250.0	955.5	772.0	658.0	573.0	476.0	393.7	337.96	210.65
1.75V	2100.0	1325.0	1006.0	808.8	688.0	598.0	491.0	411.2	349.55	216.92
1.70V	2240.0	1370.0	1040.3	825.0	705.0	613.0	501.0	425.0	357.71	220.50
1.65V	2310.0	1390.0	1061.5	842.0	715.0	625.0	510.0	431.0	362.76	222.37
1.60V	2330.0	1410.0	1071.6	852.0	725.0	628.0	516.0	435.0	364.44	223.00

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	960.0	610.0	471.6	370.0	313.1	270.0	220.0	187.0	162.07	100.98
1.80V	1060.0	660.0	500.0	408.0	340.0	290.0	242.0	200.0	171.67	107.00
1.75V	1130.0	703.0	529.4	428.0	360.0	310.0	253.0	211.0	179.35	111.30
1.70V	1212.0	733.0	551.8	439.0	372.0	320.0	262.0	219.0	184.33	114.50
1.65V	1261.0	753.0	570.1	450.0	382.0	332.0	270.0	223.0	186.69	116.00
1.60V	1293.0	775.0	582.3	458.0	388.0	335.0	275.0	225.0	188.44	116.30

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