



VRLA Rechargeable Battery

MSU-1200 (2V, 1200Ah)



FEATURES

- Sealed structure, no electrolyte leakage or spill.
- High performance alloy to secure corrosion-proof feature.
- Unique electrolyte system achieves maximum service life.
- Low self-discharge rate, lower than 3% capacity loss per month.
- Special paste formula promotes the good charging acceptance.
- Electrolyte with gel technology.

APPLICATION

- Telecom
- UPS
- Central Office
- Energy Storage Systems



SPECIFICATIONS

Nominal Voltage	2 V
Nominal Capacity	1200Ah @ 10 hour rate F.V.(1.80V/cell)
Approx. Weight	71.5Kg(157.6lbs.)
Terminals	B6 (Fitting M8 bolt & nut) I3 is optional
Internal Resistance	≤ 0.5m Ω (Fully Charged)
Max. Discharge Current	4800 A (5 sec.)
Max. Charge Current	300 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(UL 94-HB) MSU-1200 Optional: Flame Retardant ABS(UL 94-V0) MSU-1200FR



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

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

475±2.0 (18.70±0.08)

Width

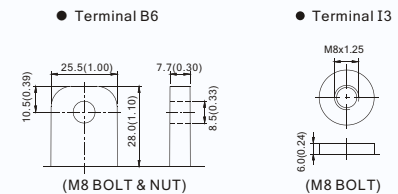
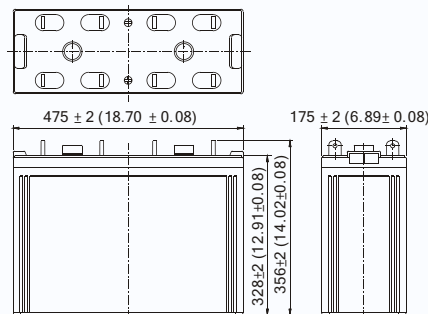
175±2.0 (6.89±0.08)

Container Height

328±2.0 (12.91±0.08)

Total Height

356±2.0 (14.02±0.08)



Terminal Hardware Initial Torque: 10.0 Nm ± 5%

Constant power discharge characteristics at 20°C/68°F Unit: W

F.V. (V/cell) \ Discharge Time	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V	1573.8	1080.0	694.8	541.2	420.6	362.4	322.8	267.0	223.2	193.44	120.53
1.80V	1746.0	1188.0	750.0	573.3	463.2	394.8	343.8	285.6	236.2	202.78	126.39
1.75V	1912.8	1260.0	795.0	603.6	485.3	412.8	358.8	294.6	246.7	209.73	130.15
1.70V	2100.0	1344.0	822.0	624.2	495.0	423.0	367.8	300.6	255.0	214.63	132.30
1.65V	2256.0	1386.0	834.0	636.9	505.2	429.0	375.0	306.0	258.6	217.66	133.42
1.60V	2301.0	1398.0	846.0	643.0	511.2	435.0	376.8	309.6	261.0	218.67	133.80

Constant current discharge characteristics at 20°C/68°F Unit: A

F.V. (V/cell) \ Discharge Time	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V	840.0	576.0	366.0	282.9	222.0	187.9	162.0	132.0	112.2	97.24	60.59
1.80V	936.0	636.0	396.0	300.0	244.8	204.0	174.0	145.2	120.0	103.00	64.20
1.75V	1033.8	678.0	421.8	317.6	256.8	216.0	186.0	151.8	126.6	107.61	66.78
1.70V	1146.0	727.2	439.8	331.1	263.4	223.2	192.0	157.2	131.4	110.60	68.70
1.65V	1227.0	756.6	451.8	342.1	270.0	229.2	199.2	162.0	133.8	112.02	69.60
1.60V	1290.0	775.8	465.0	349.4	274.8	232.8	201.0	165.0	135.0	113.06	69.78

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

For operation, please refer to the instruction from technical manual.

A/3 REV. Dec. 2014

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