



VRLA Rechargeable Battery

MSU-800 (2V, 800Ah)



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.

APPLICATION

- Telecom
- UPS
- Central Office
- Energy Storage Systems



SPECIFICATIONS

Nominal Voltage	2 V
Nominal Capacity	800Ah @ 10 hour rate F.V.(1.80V/cell)
Approx. Weight	45.0Kg(99.2lbs.)
Terminals	B6 (Fitting M8 bolt & nut) I3 is optional
Internal Resistance	≤ 0.6m Ω (Fully Charged)
Max. Discharge Current	3200 A (5 sec.)
Max. Charge Current	200 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-800 Optional: Flame Retardant ABS(UL94 V-0) MSU-800FR



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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
■ Length 301±2.0 (11.86±0.08)		◁ Terminal B6
■ Width 175±2.0 (6.89±0.08)		● Terminal I3
■ Container Height 331±2.0 (13.03±0.08)		(M8 BOLT & NUT) (M8 BOLT)
■ Total Height 359±2.0 (14.13±0.08)		Terminal Hardware Initial Torque: 10.0 Nm ± 5%

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

Discharge Time F.V. (V/cell)	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V	720.0	463.2	360.8	280.4	241.6	215.2	178.0	148.8	128.96	80.35
1.80V	792.0	500.0	382.2	308.8	263.2	229.2	190.4	157.5	135.18	84.26
1.75V	840.0	530.0	402.4	323.5	275.2	239.2	196.4	164.5	139.82	86.77
1.70V	896.0	548.0	416.1	330.0	282.0	245.2	200.4	170.0	143.08	88.20
1.65V	924.0	556.0	424.6	336.8	286.0	250.0	204.0	172.4	145.10	88.95
1.60V	932.0	564.0	428.6	340.8	290.0	251.2	206.4	174.0	145.78	89.20

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

Discharge Time F.V. (V/cell)	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V	384.0	244.0	188.6	148.0	125.2	108.0	88.0	74.8	64.83	40.39
1.80V	424.0	264.0	200.0	163.2	136.0	116.0	96.8	80.0	68.67	42.80
1.75V	452.0	281.2	211.8	171.2	144.0	124.0	101.2	84.4	71.74	44.52
1.70V	484.8	293.2	220.7	175.6	148.8	128.0	104.8	87.6	73.73	45.80
1.65V	504.4	301.2	228.0	180.0	152.8	132.8	108.0	89.2	74.68	46.40
1.60V	517.2	310.0	232.9	183.2	155.2	134.0	110.0	90.0	75.38	46.52

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