

VRLA Rechargeable Battery

MSB-1500 (2V, 1500Ah)



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.


APPLICATIONS

- Telecom
- UPS
- Central Office
- Energy Storage Systems




SPECIFICATIONS

Nominal Voltage	2 V
Nominal Capacity	1500Ah @ 10 hour rate F.V.(1.80V/cell)
Approx. Weight	128.0Kg(282.2lbs.)
Terminals	B6 (Fitting M8 bolt & nut)
Internal Resistance	≤ 0.4m Ω (Fully Charged)
Max. Discharge Current	6000 A (5 sec.)
Max. Charge Current	375 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-1500 Optional: Flame Retardant ABS(UL94 V-0) MSB-1500FR

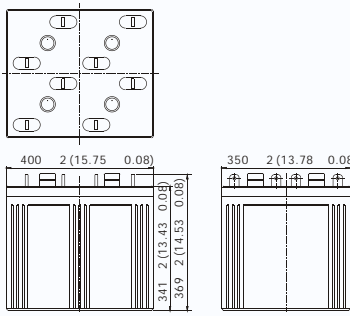
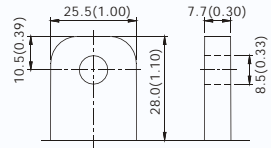


MH19884



TS-1352

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

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

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	1350.0	868.5	676.4	525.8	453.0	403.5	333.8	279.0	241.80	150.66	
1.80V	1485.0	937.5	716.6	579.0	493.5	429.8	357.0	295.3	253.47	157.99	
1.75V	1575.0	993.8	754.5	606.6	516.0	448.5	368.3	308.4	262.16	162.69	
1.70V	1680.0	1027.5	780.2	618.8	528.8	459.8	375.8	318.8	268.28	165.38	
1.65V	1732.5	1042.5	796.1	631.5	536.3	468.8	382.5	323.3	272.07	166.77	
1.60V	1747.5	1057.5	803.7	639.0	543.8	471.0	387.0	326.3	273.33	167.25	

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	720.0	457.5	353.7	277.5	234.8	202.5	165.0	140.3	121.55	75.74	
1.80V	795.0	495.0	375.0	306.0	255.0	217.5	181.5	150.0	128.75	80.25	
1.75V	847.5	527.3	397.1	321.0	270.0	232.5	189.8	158.3	134.51	83.48	
1.70V	909.0	549.8	413.8	329.3	279.0	240.0	196.5	164.3	138.24	85.88	
1.65V	945.8	564.8	427.6	337.5	286.5	249.0	202.5	167.3	140.02	87.00	
1.60V	969.8	581.3	436.8	343.5	291.0	251.3	206.3	168.8	141.33	87.23	