

VRLA Rechargeable Battery

MSB-600 (2V, 600Ah)



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	600Ah @ 10 hour rate F.V.(1.80V/cell)
Approx. Weight	46.0Kg(101.4lbs.)
Terminals	B6 (Fitting M8 bolt & nut) I3 is optional
Internal Resistance	≤ 0.7m Ω (Fully Charged)
Max. Discharge Current	2640 A (5 sec.)
Max. Charge Current	150 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-600 Optional: Flame Retardant ABS(UL94 V-0) MSB-600FR



- 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)

Width

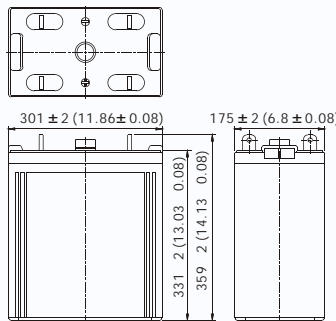
175±2.0 (6.89±0.08)

Container Height

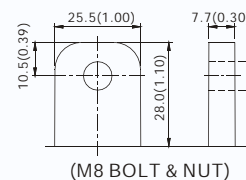
331±2.0 (13.03±0.08)

Total Height

359±2.0 (14.13±0.08)

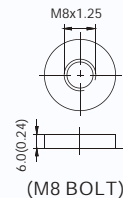


Terminal B6



Terminal Hardware Initial Torque: 10.0 Nm ± 5%

Terminal I3



Constant power discharge characteristics at 25 °C/77 °F

Unit: W

Discharge Time F.V. (V _{Cell})	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V	786.9	540.0	347.4	270.6	210.3	181.2	161.4	133.5	111.6	96.72	60.26
1.80V	873.0	594.0	375.0	286.6	231.6	197.4	171.9	142.8	118.1	101.39	63.20
1.75V	956.4	630.0	397.5	301.8	242.6	206.4	179.4	147.3	123.4	104.86	65.08
1.70V	1050.0	672.0	411.0	312.1	247.5	211.5	183.9	150.3	127.5	107.31	66.15
1.65V	1128.0	693.0	417.0	318.5	252.6	214.5	187.5	153.0	129.3	108.83	66.71
1.60V	1150.5	699.0	423.0	321.5	255.6	217.5	188.4	154.8	130.5	109.33	66.90

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

Discharge Time F.V. (V _{Cell})	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V	420.0	288.0	183.0	141.5	111.0	93.9	81.0	66.0	56.1	48.62	30.29
1.80V	468.0	318.0	198.0	150.0	122.4	102.0	87.0	72.6	60.0	51.50	32.10
1.75V	516.9	339.0	210.9	158.8	128.4	108.0	93.0	75.9	63.3	53.81	33.39
1.70V	573.0	363.6	219.9	165.5	131.7	111.6	96.0	78.6	65.7	55.30	34.35
1.65V	613.5	378.3	225.9	171.0	135.0	114.6	99.6	81.0	66.9	56.01	34.80
1.60V	645.0	387.9	232.5	174.7	137.4	116.4	100.5	82.5	67.5	56.53	34.89

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.

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