



VRLA Rechargeable Battery

MSU-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.

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	36.3Kg(80.0lbs.)
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) MSU-600 Optional: Flame Retardant ABS(UL94 V-0) MSU-600FR

UL
MH19884

TSE
TS-1352

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
Length 241±2.0 (9.49±0.08)		Terminal B6
Width 172±2.0 (6.77±0.08)		● Terminal I3
Container Height 331±2.0 (13.03±0.08)		Terminal Hardware Initial Torque: 10.0 Nm ± 5%
Total Height 359±2.0 (14.13±0.08)		

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	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 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	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 hereinto.