



VRLA Rechargeable Battery

EB80-12

FEATURES

- Absorbent Glass Mat technology for efficient gas recombination
- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed for high power & high cyclic usage
- Low self-discharge rate, lower than 3% capacity loss per month

APPLICATION

- UPS
- Wheelchairs
- Lawn Mowers
- Golf-Carts
- Electric Motorcycle



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	80.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	25.5Kg(56.22lbs.)
Terminals	I2 (M6 Female thread)
Internal Resistance	≤5mΩ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	24.0 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)
Container Material	Standard: ABS(UL 94-HB) EB80-12 Optional: Flame Retardant ABS(UL 94-V0) EB80-12FR

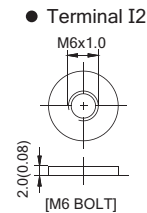
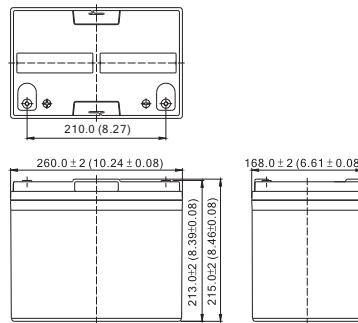
WSF ISO9001	UL MH19884
WSF ISO14001	CE
WSF OHSMS	
<ul style="list-style-type: none"> ● IEC 60896-21/22 ● JIS C 8704-2 ● GB/T 19638.2 	

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
260±2.0 (10.24±0.08)
- **Width**
168±2.0 (6.61±0.08)
- **Container Height**
215±2.0 (8.46±0.08)
- **Total Height**
215±2.0 (8.46±0.08)



Terminal Hardware Initial Torque: I2(5.5Nm±5%)

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

Discharge Time F.V. (V/cell)	10 Min	15 Min	30 Min	40 Min	1 Hr	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	2154.7	1744.8	1097.4	870.1	664.0	374.4	280.0	177.4	89.8	46.98
1.75V	2334.4	1826.7	1139.5	901.6	683.2	384.0	285.3	179.7	91.2	48.00
1.70V	2418.7	1881.9	1164.5	919.7	695.2	387.8	288.0	181.1	91.7	48.22
1.65V	2476.5	1925.9	1181.4	932.5	704.8	391.7	290.7	182.4	91.9	48.34
1.60V	2525.6	1963.8	1193.4	941.9	712.0	393.6	292.0	182.4	91.9	48.37
1.50V	2576.3	2003.0	1205.4	951.4	719.5	393.6	293.8	182.4	91.9	48.37

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

Discharge Time F.V. (V/cell)	10 Min	15 Min	30 Min	40 Min	1 Hr	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	189.6	151.7	93.0	73.4	55.8	31.2	23.4	14.8	7.5	3.92
1.75V	205.4	158.9	96.6	76.2	57.4	32.0	23.8	15.0	7.6	4.00
1.70V	213.0	163.7	98.7	77.6	57.6	32.3	24.0	15.1	7.6	4.02
1.65V	218.1	167.5	100.2	78.7	59.2	32.6	24.2	15.2	7.7	4.03
1.60V	222.4	170.7	101.1	79.5	59.8	32.8	24.3	15.2	7.7	4.03
1.50V	226.7	174.2	102.1	80.3	60.5	32.8	24.5	15.2	7.7	4.03

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