



VRLA Rechargeable Battery

EB12-12



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
- E-bike
- Wheelchairs
- Lawn Mowers
- Golf-Carts
- Electrical Scooter



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	12Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	4300g(9.48lbs.)
Terminals	T2 (Faston Tab 250)
Internal Resistance	$\leq 14m\Omega$ (Fully Charged)
Max. Discharge Current	180 A (5 sec.)
Max. Charge Current	3.6 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) EB12-12 Optional: Flame Retardant ABS(UL 94-V0) EB12-12FR



- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
Length 151±1.5 (5.94±0.06) Width 98±1.5 (3.86±0.06) Container Height 94±1.5 (3.70±0.06) Total Height 98±2.0 (3.86±0.08)		Terminal T2

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

F.V. (V/cell)	Discharge Time	10 Min	15 Min	30 Min	40 Min	1 Hr	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		323.2	261.7	164.6	130.5	99.6	56.8	42.0	26.6	13.47	7.05
1.75V		350.2	274.0	170.9	135.2	102.5	58.2	42.8	27.0	13.68	7.20
1.70V		362.8	282.3	174.7	138.0	104.3	58.9	43.2	27.2	13.75	7.23
1.65V		371.5	288.9	177.2	139.9	105.7	59.8	43.6	27.4	13.78	7.25
1.60V		378.8	294.6	179.0	141.3	106.8	60.0	43.8	27.4	13.78	7.25
1.50V		386.4	300.5	180.8	142.7	107.9	60.6	44.1	27.4	13.78	7.25

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

F.V. (V/cell)	Discharge Time	10 Min	15 Min	30 Min	40 Min	1 Hr	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		28.4	22.8	13.9	11.0	8.4	4.73	3.50	2.22	1.123	0.588
1.75V		30.8	23.8	14.5	11.4	8.6	4.85	3.58	2.25	1.140	0.600
1.70V		31.9	24.6	14.8	11.6	8.8	4.91	3.60	2.26	1.145	0.602
1.65V		32.7	25.1	15.0	11.8	8.9	4.98	3.62	2.28	1.150	0.605
1.60V		33.4	25.6	15.2	11.9	9.0	5.00	3.65	2.28	1.150	0.605
1.50V		34.0	26.1	15.3	12.0	9.1	5.05	3.67	2.28	1.150	0.605

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.
A/2 REV. Jul. 2013

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