



VRLA Rechargeable Battery

EVP44-12



FEATURES

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

APPLICATION

- UPS
- Wheelchairs
- Lawn Mowers
- Equipment
- Golf-Carts
- Electronic Medical Equipmen



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	44Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	15.5Kg(34.181lbs.)
Terminals	B2 (Fitting M5 bolt & nut) , I1 and I2 are optional
Internal Resistance	≤5mΩ (Fully Charged)
Max. Discharge Current	600 A (5 sec.)
Max. Charge Current	13.2 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) EVP44-12 Optional: Flame Retardant ABS(UL 94-V0) EVP44-12FR

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> ■ Length 197±1.5 (7.76±0.06) ■ Width 165±1.5 (6.50±0.06) ■ Container Height 171±1.5 (6.73±0.06) ■ Total Height 171±1.5 (6.73±0.06) 		<ul style="list-style-type: none"> ● Terminal B2 [M5 BOLT & NUT] ● Terminal I1 [M5 BOLT & NUT] ● Terminal I2 [M6 BOLT] <p>Terminal Hardware Initial Torque: B2/I1(4.0Nm±5%),I2(5.5Nm±5%)</p>

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

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	1890	1339	963	605	345	140.0	88.5	49.3	25.8
1.75V	2188	1451	1018	628	355	143.5	90.0	50.3	26.4
1.70V	2325	1509	1048	642	363	144.6	90.7	50.6	26.5
1.65V	2430	1542	1076	652	367	146.0	91.1	50.7	26.6
1.60V	2510	1570	1095	660	370	146.5	91.4	50.7	26.6

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

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	175.00	121.73	91.26	53.54	28.99	11.67	7.38	4.11	2.15
1.75V	206.42	133.12	96.73	55.58	29.83	11.96	7.50	4.19	2.20
1.70V	219.34	138.44	99.55	56.81	30.50	12.05	7.56	4.22	2.21
1.65V	229.25	141.47	101.82	57.70	30.84	12.17	7.59	4.23	2.22
1.60V	236.79	144.04	103.64	58.41	31.09	12.21	7.17	4.23	2.22

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