



VRLA Rechargeable Battery

HR15-12 (HR15-12FR)



FEATURES

- 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 rate usage
- The power density at 5 min~15min discharging rate is 30% higher than BP series

APPLICATION

- UPS
- Fishing Lights
- Power Packs



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	13Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	4200g(9.25lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	$\leq 12\text{m}\Omega$ (Fully Charged)
Max. Discharge Current	180 A (5 sec.)
Max. Charge Current	3.9 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	ABS(UL94-HB, UL94-V0 is optional)

ISO 9001



ISO14001



UL



CE



- IEC61056
- JIS C 8702
- GB/T 19639

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

151±1.5 (5.94±0.06)

Width

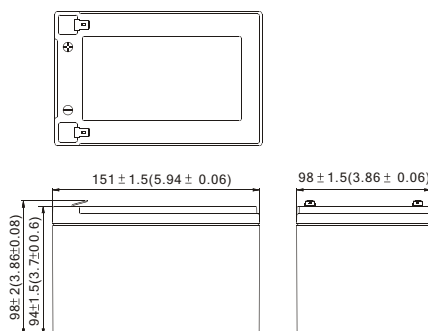
98±1.5 (3.86±0.06)

Container Height

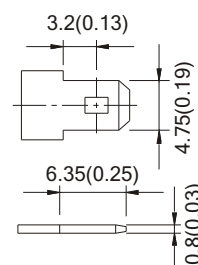
94±1.5 (3.70±0.06)

Total Height

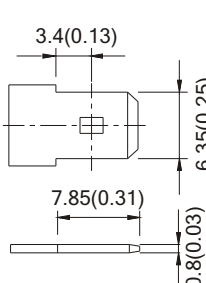
98±2.0 (3.86±0.08)



Terminal T1



Terminal T2



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

Unit: W

F.V. (V/cell)	Discharge Time	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V		615.0	420.0	304.1	259.5	197.3	150.0	125.3	110.3	60.8
1.70V		735.0	468.8	330.8	274.9	205.5	155.6	129.4	112.9	62.0
1.60V		787.5	493.1	345.8	285.0	210.0	159.4	132.0	114.8	63.0
1.50V		810.0	502.5	353.3	289.5	212.6	161.3	133.5	115.9	63.3
1.40V		825.0	509.3	357.4	292.1	214.1	162.4	134.6	116.6	63.5
1.30V		832.5	513.8	360.0	294.0	215.3	163.1	135.4	117.0	63.7

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

Unit: A

F.V. (V/cell)	Discharge Time	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V		54.91	36.84	26.31	22.26	16.72	12.62	10.49	9.19	5.07
1.70V		66.82	41.12	28.62	23.58	17.42	13.09	10.83	9.41	5.17
1.60V		71.59	43.25	29.91	24.44	17.80	13.41	11.05	9.57	5.25
1.50V		73.64	44.08	30.56	24.83	18.02	13.57	11.17	9.66	5.28
1.40V		75.00	44.68	30.92	25.05	18.14	13.66	11.26	9.72	5.29
1.30V		75.68	45.07	31.14	25.21	18.25	13.72	11.33	9.75	5.31

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