



# VRLA Rechargeable Battery

# BP12-12FR



## FEATURES

- Maintenance Free (topping up not needed)
- Non-spillable (no free electrolyte)
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations


## APPLICATIONS

- UPS
- Security Systems
- Medical Equipment
- Power Packs
- Emergency Lighting
- R/C Cars & Planes
- Laboratory Equipment




## SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	12.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	3940g(8.69lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	≤ 18mΩ (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(UL94 HB) BP12-12 Optional: Flame Retardant ABS(UL94 V-0) BP12-12FR



MH19884



C4M20310-2474-E-16

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1
- VdS G102106

## DIMENSION(mm/inch)

## OUTER DIMENSIONS

## TERMINAL TYPE

### Length

151±1.5 (5.94±0.06)

### Width

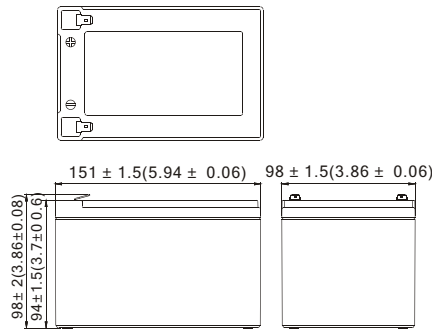
98±1.5 (3.86±0.06)

### Container Height

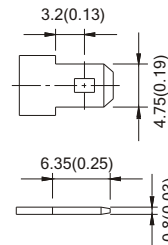
94±1.5 (3.70±0.06)

### Total Height

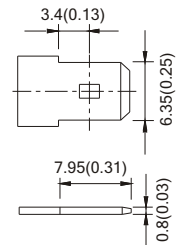
98±2.0 (3.86±0.08)



### Terminal T1



### Terminal T2



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

Unit: W

Discharge Time F.V.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	433.9	319.4	256.0	152.3	87.3	35.0	24.1	13.48	7.09
10.5V	502.2	346.0	267.7	158.1	90.0	35.7	24.5	13.68	7.20
10.2V	533.6	358.5	276.0	161.7	91.6	36.0	24.6	13.75	7.24
9.9V	557.5	367.1	282.4	164.0	92.7	36.3	24.7	13.79	7.26
9.6V	576.0	374.4	288.0	165.6	93.6	36.5	24.8	13.79	7.26

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

Unit: A

Discharge Time F.V.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	39.09	28.12	22.26	12.91	7.34	2.91	2.01	1.123	0.591
10.5V	46.07	30.46	23.28	13.40	7.56	2.97	2.04	1.140	0.600
10.2V	48.95	31.55	24.00	13.70	7.70	3.00	2.05	1.146	0.603
9.9V	51.15	32.31	24.55	13.89	7.79	3.02	2.06	1.149	0.605
9.6V	52.84	32.96	25.04	14.03	7.87	3.04	2.06	1.149	0.605

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