



## VRLA Rechargeable Battery

# EP12-12 (EP12-12FR)



### 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 heavy duty cyclic application
- Low self-discharge rate, lower than 3% capacity loss per month

### APPLICATION

- UPS
- Electric Vehicle
- Power Packs
- Fishing Lights
- Lawn mower



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	12Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	4200g(9.26lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	≤16m Ω (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	ABS(UL94-HB, UL94-V0 is optional)

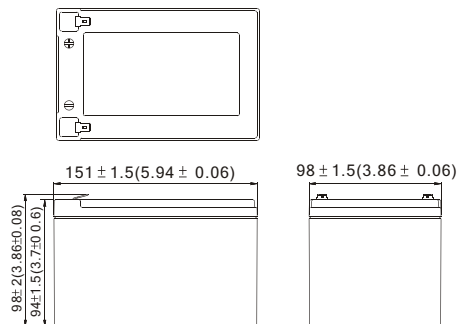
ISO 9001	
ISO14001	
UL	
CE	
<ul style="list-style-type: none"> <li>● IEC 61056-1</li> <li>● JIS C 8702-1</li> <li>● GB/T 19639.1</li> </ul>	

### DIMENSION(mm/inch)

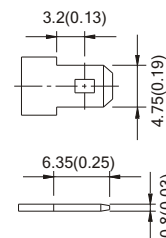
### OUTER DIMENSIONS

### TERMINAL TYPE

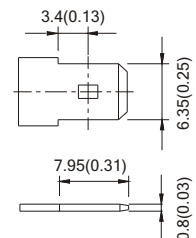
- Length  
151±1.5 (5.94±0.06)
- Width  
98±1.5 (3.86±0.06)
- Container Height  
94±1.5 (3.70±0.06)
- Total Height  
98±2.0 (3.86±0.08)



#### ● 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	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	391.0	293.8	238.1	143.2	83.0	35.0	24.10	13.48	7.05
1.75V	452.0	318.3	249.0	148.6	85.5	35.7	24.50	13.68	7.20
1.70V	480.0	329.8	256.7	152.0	87.0	36.0	24.60	13.75	7.23
1.65V	502.0	337.7	262.6	154.2	88.0	36.3	24.70	13.80	7.25
1.60V	518.0	344.4	267.8	155.7	88.9	36.5	24.80	13.80	7.25

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

Unit: A

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	35.23	25.86	20.70	12.14	6.97	2.92	2.008	1.123	0.588
1.75V	41.47	28.02	21.65	12.59	7.18	2.98	2.042	1.140	0.600
1.70V	44.04	29.03	22.32	12.88	7.31	3.00	2.050	1.146	0.603
1.65V	46.06	29.73	22.83	13.07	7.39	3.03	2.058	1.150	0.604
1.60V	47.52	30.32	23.29	13.19	7.47	3.04	2.067	1.150	0.604

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