



## VRLA Rechargeable Battery

# EVP12-12 (EVP12-12FR)



### 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 power & high cyclic usage

### APPLICATION

- UPS
- Electrical Bicycle
- Fishing Lights



### 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	≤12mΩ (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)

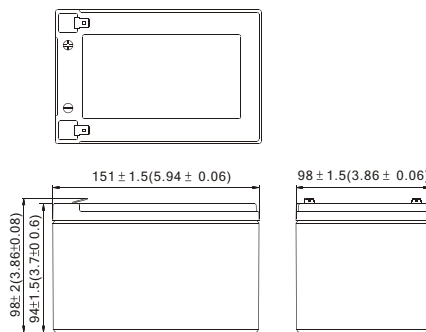
ISO 9001	
ISO14001	
UL	
CE	
<ul style="list-style-type: none"> <li>● IEC61056</li> <li>● JIS C 8702</li> <li>● GB/T 19639</li> </ul>	

### DIMENSION(mm/inch)

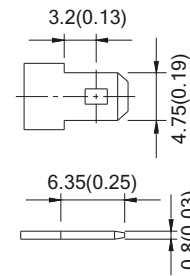
### OUTER DIMENSIONS

### TERMINAL TYPE

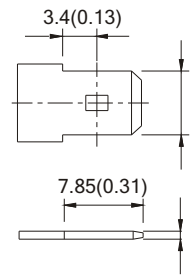
- **Length**  
151±1.5 (5.94±0.06)
- **Width**  
98±1.5 (3.86±0.06)
- **Container Height**  
94±1.5 (3.70±0.06)
- **Total Height**  
98±2.0 (3.86±0.08)



#### ● Terminal T1



#### ● Terminal T2



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

Unit: W

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	515	365	263	165	94.1	38.2	24.1	13.4	7.05
1.75V	597	396	278	171	96.8	39.1	24.5	13.7	7.20
1.70V	634	412	286	175	99.0	39.4	24.7	13.8	7.23
1.65V	663	421	293	178	100.0	39.8	24.8	13.8	7.25
1.60V	685	428	299	180	101.0	40.0	24.9	13.8	7.25

### 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	47.73	33.20	24.89	14.60	7.91	3.18	2.01	1.12	0.59
1.75V	56.30	36.31	26.38	15.16	8.14	3.26	2.05	1.14	0.60
1.70V	59.82	37.76	27.15	15.50	8.32	3.29	2.06	1.15	0.60
1.65V	62.52	38.58	27.77	15.74	8.41	3.32	2.07	1.15	0.60
1.60V	64.58	39.28	28.26	15.93	8.48	3.33	2.08	1.15	0.60

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