



## VRLA Rechargeable Battery

# EVP20-12 (EVP20-12FR)



### 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
- Emergency Lights
- Fishing Lights
- Lawn Mowers
- Electrical Bicycle



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	20Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	6600g(14.55lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	≤9mΩ (Fully Charged)
Max. Discharge Current	300 A (5 sec.)
Max. Charge Current	6.0 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	 MH19884
CE	 C4M20310-2474-E-16
<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

181±1.5 (7.13±0.06)

#### Width

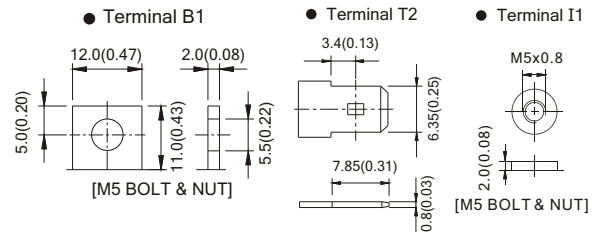
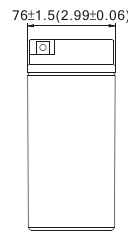
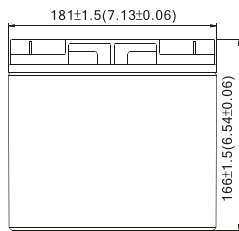
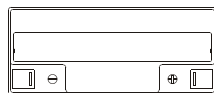
76±1.5 (2.99±0.06)

#### Container Height

166±1.5 (6.54±0.06)

#### Total Height

166±1.5 (6.54±0.06)



Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)

### 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	859	609	438	275	157	63.6	40.2	22.4	11.7
1.75V	995	660	463	285	161	65.2	40.9	22.9	12.0
1.70V	1057	686	476	292	165	65.7	41.2	23.0	12.1
1.65V	1105	701	489	296	167	66.4	41.4	23.0	12.1
1.60V	1141	714	498	300	168	66.6	41.5	23.0	12.1

### 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	79.55	53.6	40.1	24.34	13.18	5.30	3.35	1.87	0.98
1.75V	93.83	58.0	42.0	25.26	13.56	5.44	3.41	1.91	1.00
1.70V	99.70	60.4	43.3	25.83	13.87	5.48	3.44	1.92	1.01
1.65V	104.20	61.7	44.3	26.23	14.02	5.53	3.45	1.92	1.01
1.60V	107.63	62.9	45.0	26.55	14.13	5.55	3.46	1.92	1.01

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