

BPOWER

LFP12080 EV

12,8V 80Ah 1024Wh

Lithium iron phosphate batteries (LiFePO4) LFP RV&EV series have been specially designed for many applications. They own very durable ABS casing you can use 24 hours a day, 7 days a week. Battery modules integrate in the intelligent BMS system it offers huge safety benefits, cycle durability, balancing and intelligent control.

BASIC PARAMETERS		CYCLE LIFE	
Rated Voltage (V)	12,8	Cycle Life (Time)	>6000 (0,5C @ 25°C, 80% DOD)
Rated Vapacity (Ah)	80	Desing Life (Year)	15 years
Rated Energy (Wh)	1024		
OPERATION PARAMETERS		ENVIRONMENT PARAMETERS	
Voltage Range (V)	10-14	Humidity (%)	5-95% RH
Cut-off Voltage (V)	10	UN38.3 Charge Temperature Range	- 20°C ~45°C (Heating)
Recommend Charge Current (A)	40	Discharge Temperature Range	- 20°C ~55°C
Max Constant Charge Current (A)	80	Storage Temperature Range	- 20°C ~45°C
Max Discharge Current (A)	100A (constant) / 150A (Puls: 30s)		
PHYSICAL PARAMETERS		CERTYFICATION	
Dimensions (L x W x H)	260 x 168 x 211 (mm)	Transportation	UN38.3
Weight (kg)	8,0		
Display Method	Bluetooth		



Intelligent BMS

The battery managemnt system (BMS) provides short circuit, over voltage , low voltage, over temp., low temp. protection.



Detachable design

Thanks to the use of removable lid, it is possible to repair the battery. (Repair requires trained engineers, professional equipment and non-professional operations may result in a lower IP rating, ultimately affecting your product warranty).



Smart balancing

Built-in balance circuit will be automatically triggered while reaching set conditions, which will greatly improve the consistency of the battery and extend its lifespan.



High IP Rating

Ip65 design meets most application scenarios.



Maintenance-free

Quality cells ensures more than 6000 cycles (0.5C, 80% DOD@25 C), maintenance-free during the whole lifetime, and a wide operating temp., range.

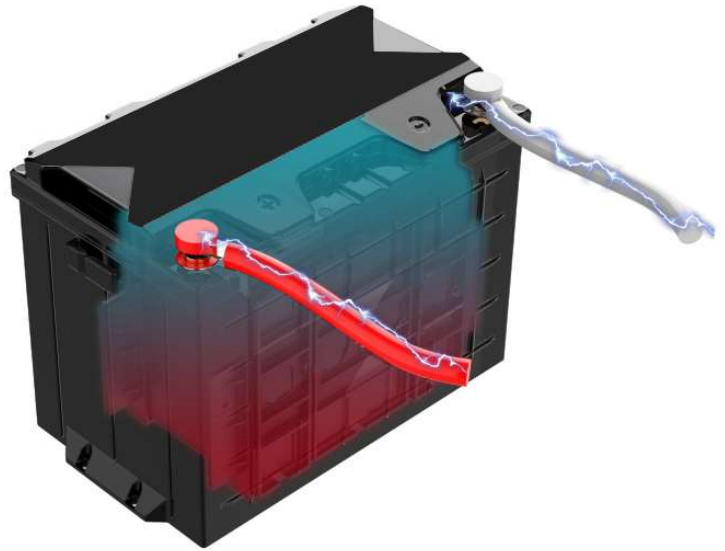


Compact design

Smaller size & Lighter weight can save more space compared with VRLA batteries.

Heating Feature and Low-temp Protection

When the ambient temperature is between $-20^{\circ}\text{C} \sim 0^{\circ}\text{C}$ and an external power input exists the heating feature will be automatically triggered to ensure that the battery can be charged normally ($0^{\circ}\text{C} \sim 45^{\circ}\text{C}$)

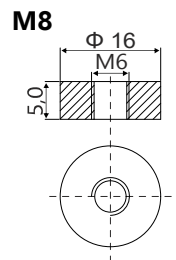
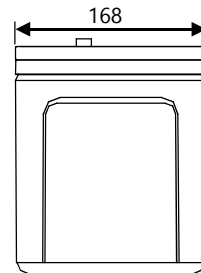
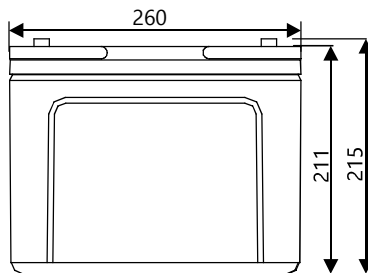
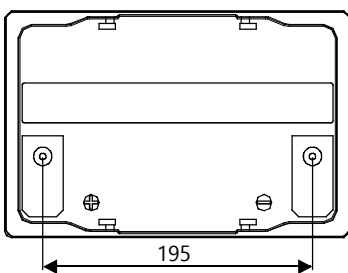


Battery monitoring

Connect your smartphone with the battery to monitor in real time the battery status (Voltage, Current, Temperature, SOC, etc.).

The BPOWER App can be download from the Google Play store for free.

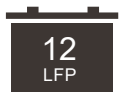
Dimensions



Safety



Recycling



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