ZFAHEAOB1

24V 20Ah LiFePO$_4$ Battery Pack
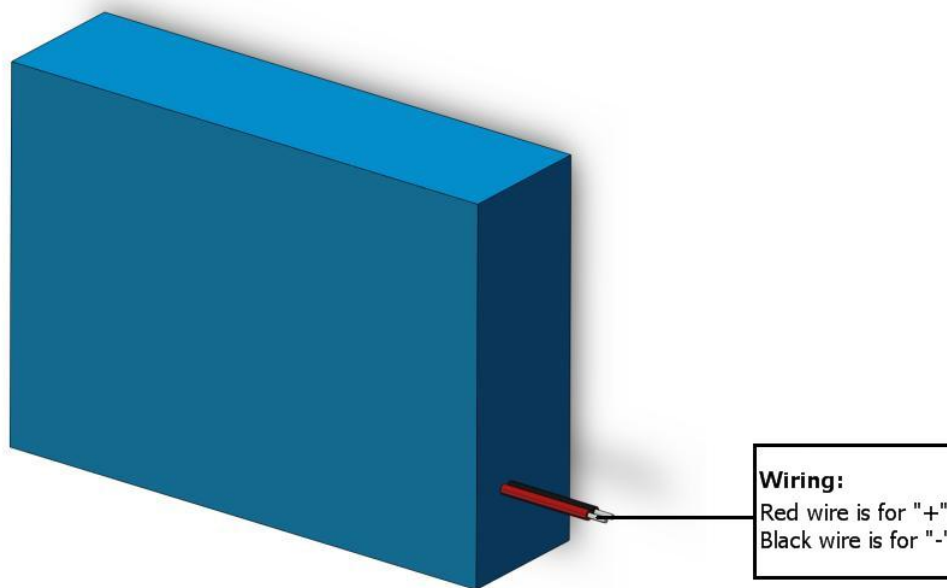
Application: 24V power supply

■ Feature

1. Large capacity
2. Low temperature rise
3. Low power consumption
4. Over charge protection, over discharge protection
5. Over current protection, short circuit protection
6. Battery pack balance

■ Specification

Item	Criteria
Overcharge protection voltage (Single cell)	TYP. 3.800V±0.025V
Overcharge recovery voltage (Single cell)	TYP. 3.600V±0.050V
Over discharge protection voltage (Single cell)	TYP. 2.00V±0.080V
Over discharge recovery voltage (Single cell)	TYP. 2.30V±0.100V
Over current protection	TYP. 50A±3A
Short circuit protection	Yes
Balance current	TYP. 182mA
Static power consumption	TYP. 220uA
Charge voltage	TYP. 28.8V
Charge current	MAX. 40A
Discharge current	MAX. 40A
Cell combination	8S
Cell type	3V 20Ah LiFePO$_4$ battery
Battery pack capacity	20Ah
Working temperature	-10℃--50℃
Battery pack weight	6.8kg
Battery pack size	74mm*198mm*275mm

■ **Legend**

Wiring:
Red wire is for "+"
Black wire is for "-"

■ **Function**

1. The output voltage ranges from 24V to 27.2V, the maximum discharge current is 40A, over current will be protected by inner circuit module; after being protected, the loads will be cut off and recover automatically when in the normal working state.
2. This battery pack, with the functions of balance, overcharge protection, over discharge protection, over current protection, and short circuit protection, is well protected.

■ **Dos and don'ts**

Thank you very much for purchasing our product. Before using it, please read thoroughly this operation manual and follow the safety precautions. If you encounter any problems during using, please feel free to contact us.

1. After receiving product, please check if the package is in good condition.
2. Don't process the circuit board, lest the circuits are to be damaged.
3. Don't make the product deformation, and that's dangerous.
4. Don't disassemble the product, lest damage.
5. For storage, keep the battery in 60%-80% charges, then charge and discharge once every two month.

Appendix：Dimension drawing