The difference between these two kinds of lithium batteries is that the materials written are different. Lithium iron phosphate batteries use lithium iron phosphate as the positive terminal, while NCM lithium batteries mainly use nickel, cobalt and manganese as the positive terminal.

What they have in common is that they all use graphene as the anode material, but the difference is that they do not use the same anode material.

Second, the difference between NCM lithium battery and lithium iron phosphate battery

1. Different cycle life

Lithium iron phosphate battery its cycle life is better than NCM lithium battery,  NCM lithium battery cycle 800-1500 times

Lithium iron phosphate batteries are more than 3000 cycles

2. Different energy densities

The energy density of NCM lithium battery is higher than that of lithium iron phosphate battery. The high energy density means strong endurance capacity. The volume of lithium iron phosphate battery is much larger than that of lithium iron battery with the same capacity.

3, low temperature resistance is different

The low temperature resistance performance of NCM battery is better than that of lithium iron phosphate battery. For example, at the same minus 20 degrees Celsius, the NCM lithium battery can release about 70% of the electricity, while the lithium iron phosphate battery can only release about 50% of the electricity at the same low temperature.

4. Different security

The safety of lithium iron phosphate battery is higher than that of ternary lithium battery, lithium iron phosphate battery is safer

How to choose?

Lithium iron phosphate battery is more suitable for: home solar energy storage, houbediany bus, tourist attractions and hybrid cars, etc. Golf cart, small flat battery car, forklift, cleaning car, electric wheelchair, etc.

NCM lithium battery: widely used in mobile and wireless electronic equipment, power tools, hybrid and electric vehicles and other fields.

First, NCM lithium BATTERY and lithium iron phosphate battery (LIFEPO4 BATTERY) is different

The difference between these two kinds of lithium batteries is that the materials written are different. Lithium iron phosphate batteries use lithium iron phosphate as the positive terminal, while NCM lithium batteries mainly use nickel, cobalt and manganese as the positive terminal.

What they have in common is that they all use graphene as the anode material, but the difference is that they do not use the same anode material.

Second, the difference between NCM lithium battery and lithium iron phosphate battery

1. Different cycle life

Lithium iron phosphate battery its cycle life is better than NCM lithium battery, the general NCM lithium battery cycle 800-1500 times or so,

Lithium iron phosphate batteries are generally greater than 2,500 cycles

2. Different energy densities

The energy density of NCM lithium battery is higher than that of lithium iron phosphate battery. The high energy density means strong endurance capacity. The volume of lithium iron phosphate battery is much larger than that of lithium iron battery with the same capacity.

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2, ternary lithium battery: widely used in mobile and wireless electronic equipment, power tools, hybrid and electric vehicles and other fields.