



**SANDI ELECTRIC**

# Zhejiang Sandi Electric Co., Ltd

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## Quotation

Product	Capacity(KWH)	Unit Price(USD/KWH)	Amount (USD)
<b>LiFe PO4 Lithium Battery with BMS</b> Including battery cabinet, all battery cables are connected well, built in BMS(battery management system), battery cabinet with LCD monitoring	<25KWH	\$250.00/1KWH	
	25KWH-50KWH	\$240.00/1KWH	
	50KWH-200KWH	\$235.00/1KWH	
	200KWH-500KWH	\$230.00/1KWH	
<b>Total Amount(USD)</b>			

Remarks:

1. Price Term: EXW.
2. Validity of quote: The above price is valid for 60 days, due to the exchange rate fluctuating.
3. Terms of Payment: 100% T/T in advance.
4. Packing: SANDI standard wooden box packing with pallet.
5. Delivery time: 25 working days after get the payment.
6. Warranty: One year from the date of purchase. (except man-made damage, if there is a quality problem, Non-human damage in the one year warranty, we repair free of charge).

Date: March. 1st, 2020

### LiFe PO4 Lithium Battery with BMS(battery management system)

**Features:**

- Long service life, 3000 cycles, service life > 10 years
- Safe and reliable
- High energy density, strong endurance
- 5" touch screen LCD integrated communication, convenient for monitoring
- Safety and environmental protection
- High cost performance, excellent quality, longer service life

## Comparison between LiFe PO4 Lithium Battery and Lead Acid Battery

	LiFe PO4 Lithium Battery	Lead Acid Battery
Size/Weight	<b>Small size, light weight</b>	Big size, heavy weight
Energy density ratio	High, under the same volume, <b>the energy density of LiFe PO4 Lithium Battery is 3~4 times of lead-acid battery</b>	Low
Service life	The average cycle life is more than 3000 times, and the life span is <b>more than 10 years</b>	The average cycle life is about 300 times, and the life span is 1-3 years
Charging efficiency	Fast charging, 1-2C high current charging and discharging, <b>short charging time</b> , the battery can be fully charged within 40 minutes under a dedicated charger at 1.5C	Charging time is slow, under 100% discharge, it takes about 8-10 hours to fully charge
Safety performance	Will not explode in severe collisions, <b>higher safety performance</b>	It will explode in a strong collision, posing a safety hazard
Environmental protection	Does not contain any heavy metals and rare metals, non-toxic, <b>no pollution in production and use</b> , in line with European RoHS regulations, is a green battery	There is a large amount of lead, which will pollute the environment if it is improperly handled after being discarded
Maintenance	<b>Stable performance, only need regular inspection</b>	Frequent failures, frequent maintenance, high maintenance costs
Working temperature range	The peak heat reaches 350~500°C, the working temperature range is wide (-20°C ~ +75°C), 100% can still be released under high temperature (60°C), <b>suitable for more harsh environment</b>	working temperature range is -20°C ~ +50°C
Memory effect	No memory effect, can use as you charge, no need to discharge before charging	There is a memory effect, the rechargeable battery is often working under the condition of being fully charged, and the capacity will quickly fall below the rated capacity value
Craftsmanship	High labor cost, accounting for more than 40%	Low labor cost, only 10%-20%
Price	At present, the price of LiFe PO4 Lithium Battery is about 2 times higher than lead-acid batteries, but consider service life, <b>at same cost, the service life LiFe PO4 battery is about 5-8 times longer than lead-acid batteries.</b>	

**Product Photo**

