



**Wise Energy Technologies**

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## **LTO Low-Voltage Home Energy Storage Battery**

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### **WE-LTO LV Series**

**5.6kWh ~ 56kWh 50.6V | 110Ah**

- ✧ Wise Energy LTO LV series batterie is a economically viable lifetime solution for your Residential applications. Robust, safest, longest life and most cost effective solution.
- ✧ Compatible with market major brands invertors such as Goodwe, Growatt, Jinlang, Deye, Voltronic Power. Pair with low voltage single phase, split phase or low voltage three phase inverters to integrate to a long cycle life, reliable and low temperature operational system that facilitate home energy consumption.
- ✧ Maximum 16 packs scalable and can be expanded in the future.



### **1. Features**



#### **25,000 Cycle Life**

Wise Energy LTO Battery gives the highest battery cycle life in the market. Your battery will be an investment adding value to your property.



#### **Life time solution**

Wise Energy LTO Storage Battery provides an economically viable lifetime solution for your home or commercial energy storage.



#### **-40°C to 60°C**

Wide temperature tolerance guarantees our Battery will be operating in the most extreme climates.



#### **3+ Cycles a day**

With a large cycle life and high C-rate capacity our batteries can be discharged 3 or more times per day, allowing you to take full advantage of off-peak pricing.



#### **100% Depth of Discharge**

By using a Lithium Titanate chemistry battery, Wise Energy Battery takes full advantage of the entire battery capacity.



#### **Extreme Safety**

Our Lithium Titanate battery chemistry is the safest in the market. It's non-explosive and withstand high temperature up to 240°C without thermal runaway.



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### Specs

Model Number	LTO LV- Stakable
Norminal Voltage	50.6V
System configuration	1P22S
Energy	5.6kWh
Physical Characteristics	
Size ( L x W x H)	550x 245x610 Cable connection box on the top for multi battery parallel connection L550xW245*H160 base support: L550xW245*H58)
Weight	100kg
Installation	Stackable, Outdoor Installation
Electrical Characteristics	
Battery Chemistry	Lithium Titanate (LTO)
Energy Capacity per battery module	5.6kWh
Rated DC Charge/ Discharge Current	200A 1.8C
Max DC Charge/ Discharge Current (10s)	400A 3.6C
Battery Management System	Internal cell balancing, failure detection and trip. Under-Voltage, Over-Voltage, Over-Current, Over-Temp, Under-Temp protection and trip
Round trip efficiency	>95%
Battery short circuit current	1200A
BMS	
Communication	RS485/CAN
Operating Conditions	
Operation temp range	-40°C ~60°C
Reliability and certification	
Cycle Life(1C, 25°C ± 5°C)	25,000 times cycle life/20+years
IP level	IP 65
Cycle life(1C, 25°C ± 5°C)	25,000 times cycle life