

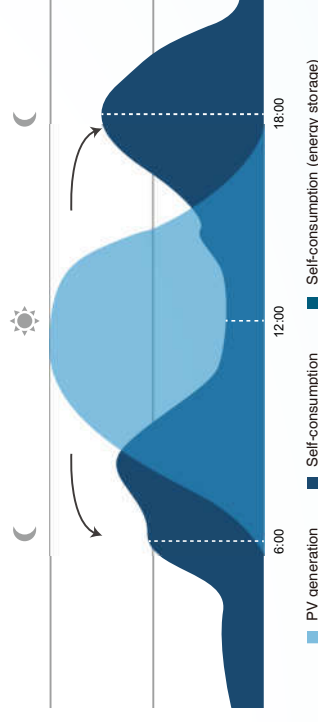
About AOBO

Aobo founded in 1999, located in Huishan District, Wuxi City, China; established the Energy Storage Business Unit in Feb 2018 and registered Aobo Australia company in Oct 2018; Aobo is a leading supplier of solutions for renewable energy and environmental protection industry. Following the concept of “bearing in mind the mission of satisfying customers’ demands and customizing high-quality products for customers”, Aobo is a state-level high-tech enterprise with the ability of intelligent creation. Aobo has owned certificates as National-level high-tech enterprise, Jiangsu high-tech product certificate, TUV certificate, CE certificate; in addition, it has also registered AOBOCS and AOBOET trademarks in Korea, EU and Australia, possessed 33 inventions, utility model and appearance patents.

Aobo’s products including energy storage lithium batteries, energy-saving & air treatment equipment; they have been widely applied to such industries as residential/ C&I energy storage, electronics, chip, and sold abroad in Australia, Europe, America and other countries and regions. Aobo also provides customized product service(OEM/ODM), which also won the praise of related customers.

Residential Energy Storage Solution

Integrated with lithium-ion battery energy storage system and home energy management system, the solution is expandable on demand and has a variety of combinations. Flexible, efficient and customized products and services, it is friendly to home users to build a clean, independent and economic micro-grid.



AOBO Features



More Usable Energy

100% Depth of Discharge
Pack Level Energy Optimization



Flexible Investment

Modular Design,
Scalable from 8 to 64 pcs installation



Safe & Reliable

Lithium Iron Phosphate (LFP) Cell



Easy Installation

Plug in & off



Quick Commissioning

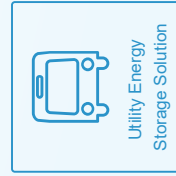
Automatically Detected in App



Perfect Compatibility

Compatible to Both Residential
Single or Three Phase Inverter

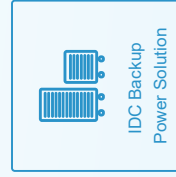
AOBO Products



Utility Energy
Storage Solution



Residential Energy
Storage Solution



IDC Backup
Power Solution



C&I Energy
Storage Solution

AOBO Product Portfolio



Uhome-LFP 5000



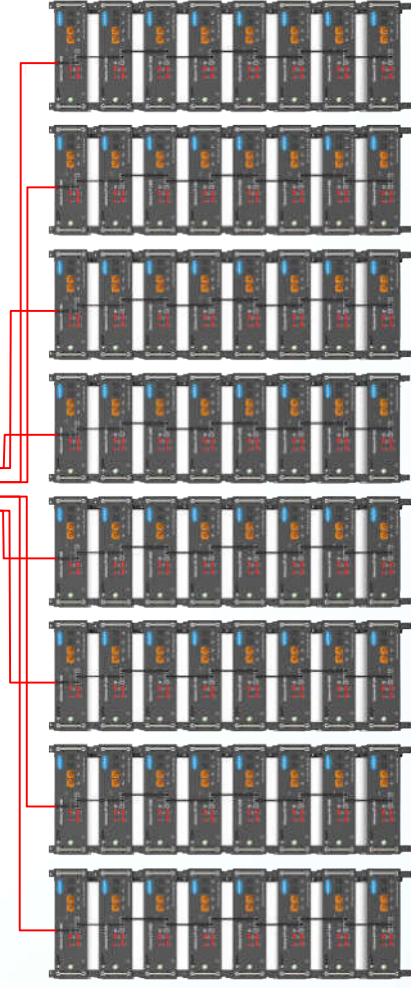
Uhome-LFP 2400



Uhome-LFP 2500



Uhome-LFP 2600



Technical Properties

Model	Uhome-LFP 5000	Uhome-LFP 2400	Uhome-LFP 2500	Uhome-LFP 2600
Total Energy*	5kWh	2.4kWh	2.5kWh	2.56kWh
Usable Energy(DC)*	4.6kWh	2.2kWh	2.2kWh	2.2kWh
Nominal Dis-/Charge Power	3.0kW	1.5kW	1.5kW	1.5kW
Peak Power(Only Discharge)	6kWh for 3 seconds	6kWh for 3 seconds	6kWh for 3 seconds	6kWh for 3 seconds
Constant Current(Only Discharge)	80A	40A	40A	20A
Voltage	48~56Vd.c	48~56Vd.c	48~56Vd.c	96~112Vd.c
Nominal Voltage	51.2Vd.c	51.2Vd.c	51.2Vd.c	102.4Vd.c
Nominal Current	60A	30A	30A	15A
Max. Charge Voltage	57.6Vd.c	54.0Vd.c	57.6Vd.c	115.2Vd.c
Weight	45kg	27.5kg	23kg	24kg
Dimension(mm)	500*448*135mm	500*442*133mm	500*442*88mm	500*442*88mm
Max. recommended DOD	90%			
Operating Condition	Indoor			
Operating Temperature	From 0~45 °C			
Charge Temperature	From -10~55 °C			
Discharge Temperature	From -10~55 °C			
WiFi Frequency Range	2400MHz~2483MHz			
Humidity	< 60%(No condensed water)			
Pollution Degree	3			
Over Voltage Category	II			
Cooling Type	Natural cooling			
Case Material	Metal			
Color	Black or White			
Installation	Wall mounting/Ground Installation			
IP rating	IP 20			
Protective Class	I			
Max. Connection Number	8S/4P	8S/8P	8S/8P	6S
Warranty	10 years			
Life Span	>15 years			
Communication	CAN/ RS485			
Protection Mode	Dual hardware protection			
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature			
Safety	Cell UL 1973	Cell UL 1973	Cell TUV	Cell TUV
	CE	Pack TUV/CE	CE	CE
Hazardous Material Classification	9			
Transportation	UN 38.3			

Testing conditions based on temperature 25 °C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from AOB0ET 0.2C CC-CV

Key Features

- Assembly freely in series or parallel
Up to 8S8P(614.4V/362.4kWh)
- High energy efficiency
Energy efficiency(charge and discharge)>97%
- High Rate Charge & Discharge
Max charge current 30A,Max discharge current 40A
- More Safety
Dual hardware & Triple software protection
- Safe and Reliable BMS
Relay design instead of mosfet
- Long Life
Reliable LFP cells,Cycle life >6000 cycles
- High Reliability
Key devices(Relay,Fuse) approved by UL and IEC
- More Smart
With digital monitor system App with WIFI
- Smart Design & Easy installation
Plug in & off
- More Quiet
Without fan,more quiet and reduce the risk of fan failure

AOBO Product Portfolio



Uhome-LFP
5kWh/LV



Uhome-LFP
5.8kWh/LV



Uhome-LFP
7.5kWh/LV



Uhome-LFP
10kWh/LV

Technical Properties

Model	Uhome-LFP 5kWh/LV	Uhome-LFP 5.8kWh/LV	Uhome-LFP 7.5kWh/LV	Uhome-LFP 10kWh/LV
Total Energy*	5kWh	5.8kWh	7.5kWh	10kWh
Usable Energy(DC)*	4.6kWh	5.3kWh	6.9kWh	9.2kWh
Nominal Dis-/Charge Power	3.0kW	2.75kW	3.75kW	4.6kW
Peak Power(Only Discharge)	7kWh for 3 seconds	7kWh for 3 seconds	8kWh for 3 seconds	10kWh for 3 seconds
Constant Current(Only Discharge)	100A	100A	110A	120A
Voltage	48~56Vd.c	42~54Vd.c	48~56Vd.c	48~56Vd.c
Nominal Voltage	51.2Vd.c	48Vd.c	51.2Vd.c	51.2Vd.c
Nominal Current	60A	58A	75A	90A
Max. Charge Voltage	57.6Vd.c	54.0Vd.c	57.6Vd.c	57.6Vd.c
Weight	55kg	66kg	82kg	96kg
Dimension(mm)	525*635*238mm	525*635*238mm	525*820*238mm	525*820*238mm
Max. recommended DOD	90%			
Operating Condition	Indoor or outdoor			
Operating Temperature	Charge	From 0~45 °C		
	Discharge	From -10~60 °C		
WiFi Frequency Range	2400MHz~2483MHz			
Humidity	4~100%(No condensed water)			
Pollution Degree	3			
Over Voltage Category	II			
Cooling Type	Natural cooling			
Case Material	Metal + Plastic			
Color	Black+ Silver grey or White			
Installation	Free standing			
IP rating	IP 65			
Protective Class	I			
Max. Number of Parallel or Series	4			
Warranty	10 years			
Life Span	>15 years			
Communication	CAN/ RS485			
Protection Mode	Triple hardware protection			
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature			
Safety	Cell UL 1973	Cell UL 1973	Cell UL 1973	Cell UL 1973
	CE	Pack TUV/CE	CE	CE
Hazardous Material Classification	9			
Transportation	UN 38.3			

Testing conditions based on temperature 25 °C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from AOB0ET 0.2C CC-CV

Key Features

- Digital monitoring system APP
- High inverter compatibility
- Reliable LFP cells
- CANbus standard connection
- Natural cooling system
- Scalable up to 20~40kWh (4 Parallel)
- 10 Years limited warranty
- IP65

AOBO Product Portfolio



Technical Properties

Model	Uhome-LFP 2.4-19.2	
Total Energy*	2.4kWh	
Usable Energy(DC)*	2.2kWh	
Nominal Dis-/Charge Power	1.4kW	
Peak Power(Only Discharge)	2.9kWh for 3 seconds	
Constant Current(Only Discharge)	40A	
Voltage	45~52.5Vd.c	
Nominal Voltage	48Vd.c	
Nominal Current	30A	
Max. Charge Voltage	54Vd.c	
Weight	28kg	
Dimension(mm)	600*300*172mm	
Max.recommended DOD	90%	
Operating Condition	Indoor or outdoor	
Operating Temperature	Charge	From 0~45 °C
	Discharge	From -10~50 °C
WiFi Frequency Range	2400MHz~2483MHz	
Humidity	<60%(No condensed water)	
Pollution Degree	3	
Over Voltage Category	II	
Cooling Type	Natural cooling	
Case Material	Metal + Plastic	
Color	Black or White	
Installation	Wall mounting/Ground Installation	
IP rating	IP 20	
Protective Class	I	
Max. Number of Parallel	8S/8P	
Warranty	10 years	
Life Span	>15 years	
Communication	CAN/ RS485	
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety	Cell UL 1973	
	Pack TUV/CE UL(1973 ,9540)	
Hazardous Material Classification	9	
Transportation	UN 38.3	

Testing conditions based on temperature 25 °C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from AOB0ET 0.2C CC-CV

Key Features

- Visual interface, real-time monitoring of product status
- User data security
- Remote software program update, fault diagnosis
- Easy installation
- High energy density

AOBO Monitoring System

