Ucanpower, Bring Energy to Life!

UFox-X
Off-Grid Energy Storage System



UFox-X series is an off-grid energy storage system, which can connect solar panel,grid（or generator) and load.

It contains expandable LFP battery, off-grid inverter and battery management system（BMS）.

It has multiple work modes to meet lots of application scenarios, and reduce the electricity bill, store the energy for emergency back-up.



High Reliability

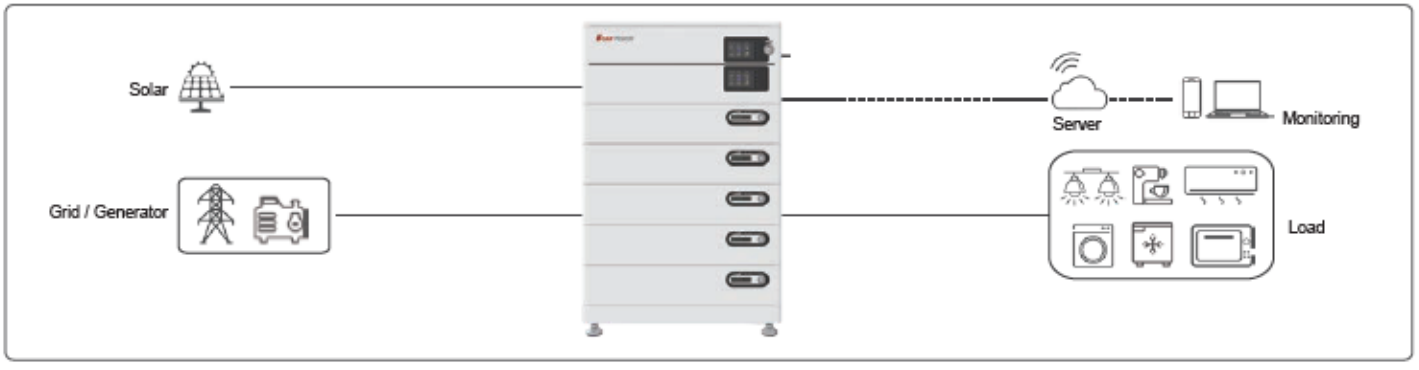
- LFP battery cell technology, safe than ever.
- Multiple protections,safe and reliable.

User-Friendly

- Multi-purpose AC outlet,easy to use.
- Multiple work modes, meet lots of scenarios.

Advanced Design

- Both PV and grid charge, fast and convenient.
- Peak-shaving mode, reduce the electricity bill.
- Modular and all in one design, compact and elegant appearance, battery is expandable.



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Model	UFox-X-035ES	UFox-X-050ES
Inverter		
Rated output power	3500W	5000W
Ouptut surge power	7000W,5s	10000W,5s
Max. output current	16A	22.7A
Rated output voltage	220/230/240V	
Rated frequency	50/60Hz	
THDv	<3%	
Output wave	Pure Sine Wave	
Output type	Pluggable connector	
AC input voltage range	170~280V	
AC input frequency	50/60Hz	
AC charge current per Inverter(Battery)	30A(0~60A) Adjustable	30A(0~80A) Adjustable
Max. PV power(Recommended)	4500W	6000W
Max. PV voltage	450V	
MPPT voltage range	120~430V	
Max PV charge current(Battery)	80A	100A
Weight	23kg	
Dimension [W x D x H]	620*365*171 mm	
Battery module		
Rated battery voltage	51.2V	
Battery voltgae range	44.8~57.6V	
Capacity	5.12 kWh	
Max. charge and discharge rate	1C	
Battery type	Li-ion（LFP）	
Weight	46.6kg	
Dimension [W x D x H]	620*365*139 mm	

System Parameters							
System Structure							
Rated output power	3500/5000 W						
Number of battery	2	3	4	5	6	7	8
Battery capacity	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh	40.96kWh
Operating temperature	0℃~50℃ (Charge) / -10℃~50℃ (Discharge)						
Storage temperature	-15~60℃						
Humidity	5%~95%						
Cooling strategy	Fan						
Enclosure protection rating	IP20						
Communication	WiFi/RS485						
Weight	121.6 kg	168.2 kg	214.8 kg	261.4 kg	308 kg	354.6 kg	401.2 kg
Dimension [W x D x H]	620*365*546 mm	620*365*685 mm	620*365*824 mm	620*365*963 mm	620*365*1102 mm	620*365*1241 mm	620*365*1380 mm
Certificate							
Certificate	CE,UN38.3,TUV mark						

Information may be subject to change without notice during product improving.

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