

UFox-X-U Off-Grid Energy Storage System

UFox-X-U 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

- Real-time data monitoring through APP.
- 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.



Model	UFox-X-30US	UFox-X-060UD	UFox-X-090US
Battery			
Rated voltage	51.2V		
Voltage range	44.8~57.6V		
Capacity	5.12kWh *N(N=2~8)		
Max. discharge rate	1C		
Max. charge Rate	1C		
Battery type	Li-ion (LFP)		
AC Output(Backup)			
Rated power	3000W	6000W	9000W
Surge power	6000W,5s	10000W,5s	18000W,5s
Rated output voltage	100/110/120V	100/110/120V or 200/220/240V	100/110/120V
Max. output current	30A	30A*2	30A*3
Rated frequency	50/60Hz		
THDv	< 3%		
Output wave	Pure Sine Wave		
Output type	Pluggable connector		
AC Input			
AC input voltage range	65~140V	65~140V/Phase	65~140V/Phase
AC input frequency	50/60Hz		
AC charge current per inverter (Battery)	30A(0~40A Adjustable)		
PV Input			
Max. PV power(Recommended)	4000W	4000W/4000W	4000W/4000W/4000W
Max. PV voltage	250V	250V	250V
MPPT voltage range	120~245V	120~245V	120~245V
Max PV charge current(Battery)	80A	80A/80A	80A/80A/80A
General Data			
Operating temperature	0°C~50°C (Charge) / -10°C~50°C (Discharge)		
Storage temperature	-15°C~60°C		
Humidity	5%~95%		
Cooling strategy	Fan		
Weight	Depend on configuration		
Dimension [W x H x D]	Depend on configuration		
Enclosure protection rating	IP20		
Communication	WiFi/RS485		

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