

Ucanpower, Bring Energy to Life!

CAN POWER

UFox Off-Grid Energy Storage System

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

It has built-in 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.



Advanced Design

- All in one design, compact and elegant appearance.
- Easy to install and move.
- Both PV and grid charge, fast and convenient.
- Peak-shaving mode, reduce the electricity bill.



High Reliability

- Integrate Max. 5.12kWh battery, long time power supply.
- 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.



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Model	UFox-Mini-30E	UFox-Plus-30E	UFox-Plus-35E	UFox-Plus-50E
Battery				
Rated voltage	51.2V		51.2V	
Voltage range	44.8~57.6V		44.8~57.6V	
Capacity	3.43kWh	5.12kWh	5.12kWh	5.12kWh
Max. discharge rate	1C		1C	
Max. charge rate	1C		1C	
Battery type	Li-ion (LFP)		Li-ion (LFP)	
AC Output(Backup)				
Rated power	3000W	3000W	3500W	5000W
Surge power	6000W,5s	6000W,5s	7000W,5s	10000W,5s
Rated output voltage	220/230/240V		220/230/240V	
Max. output current	13.7A	13.7A	16A	22.7A
Rated frequency	50/60Hz		50/60Hz	
THDv	< 3%		< 3%	
Output wave	Pure Sine Wave		Pure Sine Wave	
Output type	AC Socket×2+Terminals		AC Socket×2+Terminals	
AC Input				
AC input voltage range	170~280V		170~280V	
AC input frequency	50/60Hz		50/60Hz	
AC charge current(Battery)	15A(10/15A Adjustable)	15A(10/15A Adjustable)	30A(0~60A Adjustable)	30A(0~80A Adjustable)
PV Input				
Max. PV power(Recommended)	1800W		4500W	6000W
Max. PV voltage	145V		450V	
MPPT voltage range	60~115V		120~430V	
Max PV charge current(Battery)	30A		80A	100A
General Data				
Operating temperature	0°C~50°C (Charge) / -10°C~50°C (Discharge)		0°C~50°C (Charge) / -10°C~50°C (Discharge)	
Storage temperature	-15°C~60°C		-15°C~60°C	
Humidity	5%~95%		5%~95%	
Cooling strategy	Fan		Fan	
Weight	48kg	64.6kg	67.6kg	67.6kg
Dimension [W x H x D]	524.5*540.5*200mm	585*611*230mm	585*611*230mm	585*611*230mm
Enclosure protection rating	IP20		IP20	
Communication	WiFi/RS485		WiFi/RS485	
Certificate	CE,UN38.3,TUV mark		CE,UN38.3,TUV mark	

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