

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.



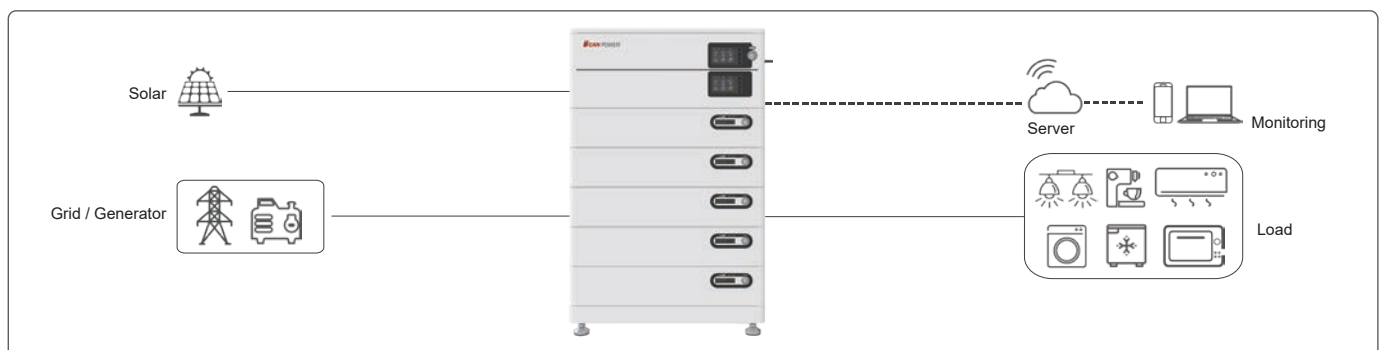
User-Friendly

- 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.



Model	UFox-X-035ES				UFox-X-050ES			
Inverter								
Rated output power	3500W				5000W			
Output 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 voltage 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°C~50°C (Charge) / -10°C~50°C (Discharge)							
Storage temperature	-15~60°C							
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.

Model	UFox-X-070ES				UFox-X-100ES			
Inverter								
Rated output power	7000W				10000W			
Output surge power	14000W,5s				20000W,5s			
Max. output current	32A				45.4A			
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*2				6000W*2			
Max. PV voltage	450V							
MPPT voltage range	120~430V							
Max PV charge current(Battery)	80A*2				100A*2			
Weight	35kg							
Dimension [W x D x H]	620*365*256 mm							
Battery module								
Rated battery voltage	51.2V							
Battery voltage 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*139mm							
System Parameters								
System Structure								
Rated output power	7000/10000 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	40.96 kWh	
Operating temperature	0°C~50°C (Charge) / -10°C~50°C (Discharge)							
Storage temperature	-15~60°C							
Humidity	5%~95%							
Cooling strategy	Fan							
Enclosure protection rating	IP20							
Communication	WiFi/RS485							
Weight	133.6 kg	180.2 kg	226.8 kg	273.4 kg	320 kg	366.6 kg	413.2 kg	
Dimension [W x D x H]	620*365*631 mm	620*365*770 mm	620*365*909 mm	620*365*1048 mm	620*365*1187 mm	620*365*1326 mm	620*365*1465 mm	
Certificate								
Certificate	CE,UN38.3,TUV mark							

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Model	UFox-X-100ET				UFox-X-150ET			
Inverter								
Rated output power	10000W				15000W			
Output surge power	20000W,5s				30000W,5s			
Max. output current	16A/phase				22.7A/phase			
Rated output voltage	220/380V							
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*3				6000W*3			
Max. PV voltage	450V							
MPPT voltage range	120~430V							
Max PV charge current(Battery)	80A*3				100A*3			
Weight	47.4kg							
Dimension [W x D x H]	620*365*369 mm							
Battery module								
Rated battery voltage	51.2V							
Battery voltage 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*139mm							
System Parameters								
System Structure								
Rated output power	10000 / 15000 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	40.96 kWh	
Operating temperature	0°C~50°C (Charge) / -10°C~50°C (Discharge)							
Storage temperature	-15~60°C							
Humidity	5%~95%							
Cooling strategy	Fan							
Enclosure protection rating	IP20							
Communication	WiFi/RS485							
Weight	146 kg	192.6 kg	239.2 kg	285.8 kg	332.4 kg	379 kg	425.6 kg	
Dimension [W x D x H]	620*365*744 mm	620*365*883 mm	620*365*1022 mm	620*365*1161 mm	620*365*1300 mm	620*365*1439 mm	620*365*1578 mm	
Certificate								
Certificate	CE,UN38.3,TUV mark							

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