

# UFox-X3 hybrid (Off-grid) energy storage system

UFox-X3 series is a 3-phase system, it can connect with solar panels, grid (or generator), load, it built-in lithium battery, hybrid inverter and energy management system (EMS). UFox-X3 has four working modes: SOL(Solar first), UEI(Utility first), SBU(Solar-Battery-Utility), SUB ( Solar-Utility - Battery ) . The four working modes are described referring to the setting part on user manual.



## Features

- Modular and All-in-one design , Both PCS an Battery module can be expandable; indoor installation ;
- Three phase Euro or U.S. standard design, support access to multi standard grid voltage
- Hybrid working modes ( Solar first mode, Utility first mode, solar-Utility-battery, Solar-battery-utility ) ;
- Easy to install and maintain; Meet different customer's design and DIY requirements; With iOS/Android App monitoring ;
- Multiple protection and warning system from software to hardware, safe and reliable.
- Meet TUV, SAA, CE ,UN38.3 etc. certification requirements

## Applications

- Self-Spontaneous use (Solar first mode)
- Power Consumption and Backup (emergency power backup mode)
- Generation power and grid as complementary for energy storage system
- Off-peak power consumption (Peak-shaving mode)

## UFox-X3

hybrid (Off-grid) energy storage system

Models		UFox-X3-090US	UFox-X3-100ET	UFox-X3-150ET
Battery	Nominal Voltage	51.2Vdc		
	Voltage Range	45~57.6Vdc		
	Capacity	2.56Kwh*N(N=4~8) or 5.12Kwh*N(N=2~6)		
	Max.discharge rate	0.7C		
	Max.charge rate	0.5C		
	Battery Type	Li-ion (LFP )		
AC Output	Rated Power	9000W	10000W	15000W
	Surge Power	18000W	20000W	30000W
	Output Voltage	100/200Vac±3% 110/220Vac±3% 120/240Vac±3%	220/380Vac±3% 230/400Vac±3% 240/415Vac±3%	220/380Vac±3% 230/400Vac±3% 240/415Vac±3%
	Output Current	45A/phase	16A/phase	25A/phase
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz
	VTHD	<3%	<3%	<3%
	Output Wave	Pure Sine Wave		
	Output Type	Terminal		
AC Input	AC Input Voltage Range	65~140Vac/phase	170~280Vac/phase	170~280Vac/phase
	AC Input Frequency	50/60Hz	50/60Hz	50/60Hz
	Max AC Charge Current(Battery)	30A(0~60A) Adjustable	30A(0~60A) Adjustable	30A(0~60A) Adjustable
PV Input	Max. PV Power(Recommended)	4000W/4000W/4000W	6000W/6000W/6000W	6000W/6000W/6000W
	Max. PV Voltage	250Vdc	450Vdc	450Vdc
	MPPT Range	120~250Vdc	120~430Vdc	120~430Vdc
	Max PV Charge Current(Battery)	80A/80A/80A	100A/100A/100A	100A/100A/100A
Operating Conditions	Operating Temperature	0~50℃		
	Storage Temperature	-15~60℃		
	Humidity	5%~95%		
	Cooling Strategy	Fan		
	Weight	Depend the configuration		
	Dimension [W*D*H]	Depend the configuration		
	Packing	wooden case		
	Packing Dimension [W*D*H]	Depend the configuration		
	IP class	IP20		
	Communication	WIFI/RS485		
	Warranty	3 years		