

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.



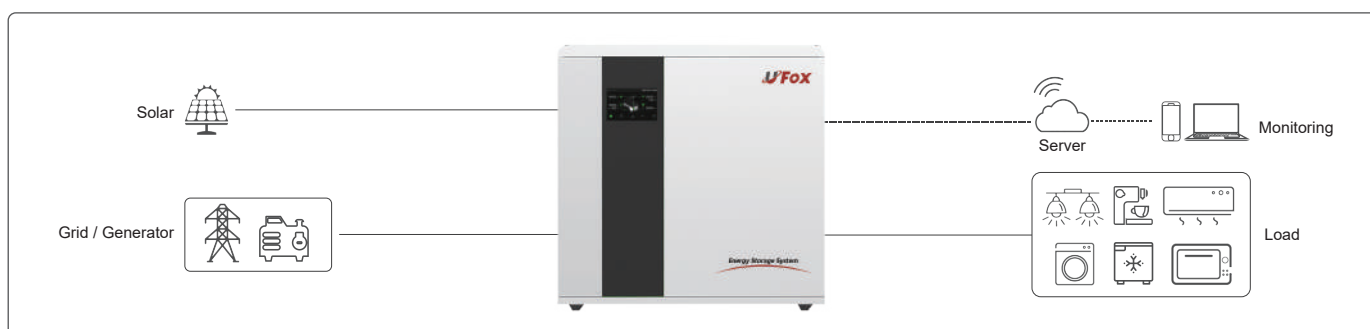
High Reliability

- Peak-shaving mode, reduce the electricity bill.
- 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
- LCD touch screen design



Model	UFox-Mini-30E
Battery	
Rated voltage	51.2V
Voltage range	44.8~57.6V
Capacity	3.43kWh
Max. discharge current	67A
Max. charge current	60A
Battery type	Li-ion (LFP)
AC Output(Backup)	
Rated power	3000W
Rated output voltage	208/220/230/240V
Max. output current	13.7A
Rated current	13A
Rated frequency	50/60Hz
THDv	< 3%
Peak efficiency(battery mode)	> 92%
Output type	Pluggable connector
AC Input	
Input sources	L+N+PE
AC input voltage range	154~264V
Rated input voltage	208/220/230/240V
AC input frequency	50/60Hz (Auto Adaptive)
PV Input	
Max PV input power	4500W
Max. PV input voltage	450V
MPPT voltage range	120~430V
Max. DC input current	18A
Max. DC short circuit current	20A
Number of independent MPPT trackers	1
No. of PV strings per MPPT trackers	1/1
General Data	
Range of working temperature	0~50°C (Charge)/-10~50°C(Discharge)
Storage temperature	-15°C~60°C
Humidity	20-95%
Cooling strategy	Fan
Altitude	<1000m
Weight	45kg
Dimension [W x H x D]	510*540*200mm
Enclosure protection rating	IP20
Communication	Wi-Fi (Optional)
Certificate	
Certificate	CE, UN38.3, TUV mark

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

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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

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- Easy to install and move.
- Both PV and grid charge, fast and convenient.



High Reliability

- Peak-shaving mode, reduce the electricity bill.
- 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
- LCD touch screen design



Model	UFox-Plus-35E		UFox-Plus-50E	
Battery				
Rated voltage	51.2V			
Voltage range	44.8~57.6V			
Capacity	5.12kWh			
Max. discharge current	80A		110A	
Max. charge current	80A		80A	
Battery type	Li-ion (LFP)			
AC Output(Backup)				
Rated power	3500W		5000W	
Rated output voltage	208/220/230/240V			
Max. output current	16A		22.7A	
Rated current	15.2A		21.7A	
Rated frequency	50/60Hz			
THDv	< 3%			
Peak Efficiency(Battery Mode)	> 92%			
Output type	Pluggable connector			
AC Input				
Input sources	L+N+PE			
AC Input voltage range	154~264V			
Rated input voltage	208/220/230/240V			
AC input frequency	50/60Hz (Auto Adaptive)			
PV Input				
Max PV input Power	4500W		6000W	
Max. PV input Voltage	450V			
MPPT voltage range	120~430V			
Max. DC input current	18A			
Max. DC short circuit current	20A			
Number of independent MPPT trackers	1			
No. of PV strings per MPPT trackers	1/1		1/1	
General Data				
Range of working temperature	0~50°C (Charge)/-10~50°C(Discharge)			
Storage temperature	-15°C~60°C			
Humidity	20-95%			
Cooling strategy	Fan			
Altitude	<1000m			
Weight	62kg			
Dimension [W x H x D]	585*611*230mm			
Enclosure protection rating	IP20			
Communication	Wi-Fi (Optional)			
Certificate				
Certificate	CE,UN38.3,TUV mark			

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UFox-WP Off-Grid Energy Storage System

UFox-WP 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, 15cm thickness.
- Both PV and grid charge, fast and convenient.
- Peak-shaving mode, reduce the electricity bill.



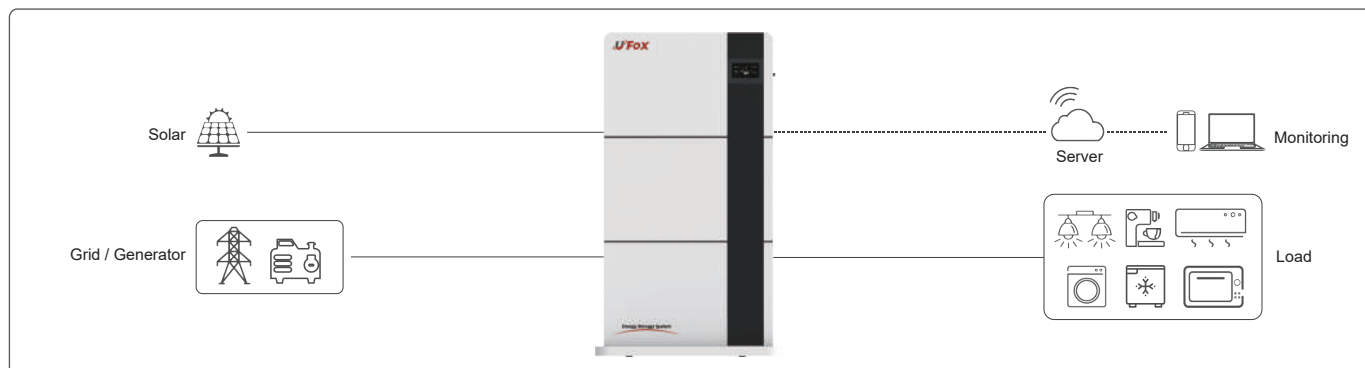
High Reliability

- Integrate 10.24kWh battery, long time power supply.
- LFP battery cell technology, safe than ever.
- Multiple protections, safe and reliable.



User-Friendly

- Multiple work modes, meet lots of scenarios
- LCD touch screen design
- Ideal for residential application with low operating noise



Model	UFox-WP-35E	UFox-WP-50E
Battery		
Rated voltage	51.2V	
Voltage range	44.8~57.6V	
Capacity	10.24kWh	
Max. discharge current	80A	110A
Max. charge current	80A	80A
Battery type	Li-ion (LFP)	
AC Output(Backup)		
Rated power	3500W	5000W
Rated output voltage	208/220/230/240V	
Max. output current	16A	22.7A
Rated current	15.2A	21.7A
Rated frequency	50/60Hz	
THDv	<3%	
Peak efficiency(battery mode)	>92%	
Output type	Pluggable connector	
AC Input		
Input sources	L+N+PE	
AC input voltage range	154~264V	
Rated input voltage	208/220/230/240V	
AC input frequency	50/60Hz (Auto Adaptive)	
PV Input		
Max PV input power	4500W	6000W
Max. PV input voltage	450V	
MPPT voltage range	120~430V	
Max. DC input current	18A	
Max. DC short circuit current	20A	
Number of independent MPPT trackers	1	
No. of PV strings per MPPT trackers	1/1	
General Data		
Range of working temperature	0~50°C (Charge)/-10~50°C(Discharge)	
Storage temperature	-15°C~60°C	
Humidity	20-95%	
Cooling strategy	Fan	
Altitude	<1000m	
Weight	109kg	
Dimension [W x H x D]	600*1150*150 mm	
Enclosure protection rating	IP20	
Communication	Wi-Fi (Optional)	
Certificate		
Certificate	CE,UN38.3,TUV mark	

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UFox-X-ES Off-Grid Energy Storage System

UFox-X-ES series is a single-phase 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.



Advanced Design

- Modular and all in one design, compact and elegant appearance
- Less than 10ms UPS-level switching (UPS Mode)
- 110% PV input Oversizing



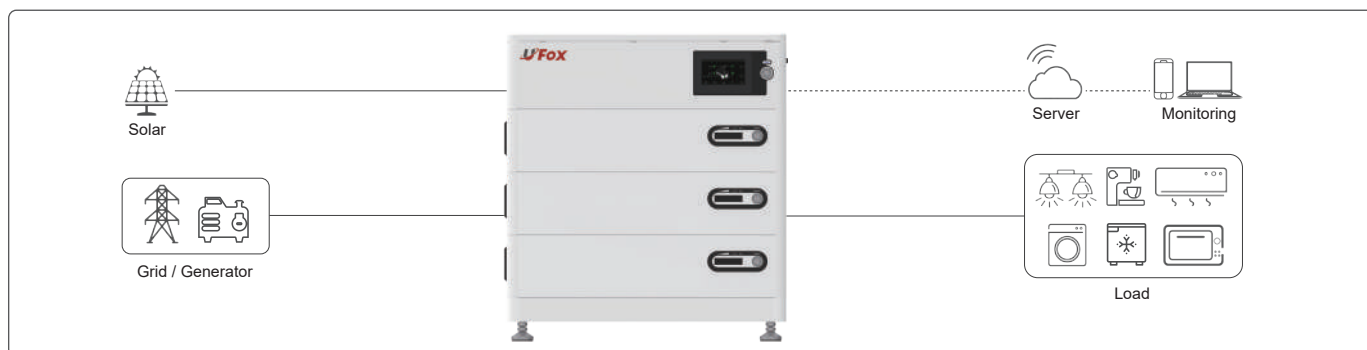
High Reliability

- Both PV and grid (or Generator) charge, fast and convenient.
- LiFePO4 battery cell, safety and reliable
- Multiple protections, safe and reliable





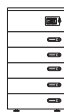


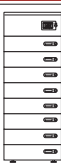


User-Friendly

- Easy data check via both LCD touch display or App
- Peak-shaving mode, reduce the electricity bill.
- Flexible battery capacity expansion, 5.12~40.96kWh



System Parameters

System Structure									
Rated output power	3500 / 5000 /7000 / 10000 kW								
Number of battery	1	2	3	4	5	6	7	8	
Battery capacity	5.12 kWh	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%								
Enclosure protection rating	IP20								
Communication	Wi-Fi (Optional)								
Weight	035ES/050ES	66.1 kg	112.8 kg	159.5 kg	206.2 kg	252.9 kg	299.6 kg	346.3 kg	393.0 kg
	070ES/100ES	/	133.8 kg	180.5 kg	246.6 kg	293.3 kg	340 kg	386.7 kg	433.4 kg
Dimension [W x D x H,mm]	035ES/050ES	620*365*406.5	620*365*545.5	620*365*684.5	620*365*823.5	620*365*962.5	620*365*1101.5	620*365*1240.5	620*365*1379.5
	070ES/100ES	/	620*365*601.5	620*365*740.5	620*365*879.5	620*365*1018.5	620*365*1157.5	620*365*1296.5	620*365*1435.5

Inverter

Model	UFox-X-035ES	UFox-X-050ES	UFox-X-070ES	UFox-X-100ES
Rated output power	3500W	5000W	7000W	10000W
Ouptut surge power	7000W,5s	10000W,5s	14000W,5s	20000W,5s
Max. output current	16A	22.7A	16A*2	22.7A*2
Rated output voltage	208/220/230/240Vac ± 5%			
Rated frequency	50/60Hz			
THDv	< 3%			
Output wave	Pure Sine Wave			
Output type	Pluggable connector			
AC input voltage range	APL Mode: 154~264Vac/UPS Mode: 185~264Vac			
AC input frequency	50/60Hz			
AC Input sources	L+N+PE		L+L+N+N+PE	
Max. PV power(Recommended)	4500W	5500W	4500W*2	5500W*2
Max PV Input Power	450V			
MPPT voltage range	120~430V			
Max charge current(Battery)	80A		80A*2	
Cooling strategy	Fan			
Weight	14kg		35kg	
Dimension [W x D x H]	620*365*170.5 mm		620*365*226.5 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	46.7kg
Dimension [W x D x H]	620*365*139 mm

Certificate

Certificate	CE-LVD, CE-EMC, UN38.3
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UFox-X-ET Off-Grid Energy Storage System

UFox-X-ET series is a three-phase 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.



Advanced Design

- Modular and all in one design, compact and elegant appearance
- Less than 10ms UPS-level switching (UPS Mode)
- 110% PV input Oversizing



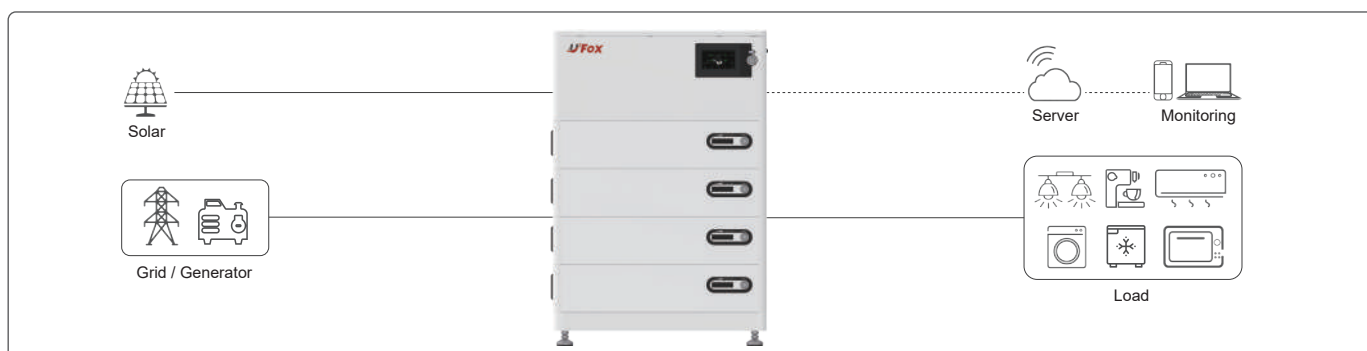
High Reliability

- Both PV and grid (or Generator) charge, fast and convenient.
- LiFePO4 battery cell, safety and reliable
- Multiple protections, safe and reliable









User-Friendly

- Easy data check via both LCD touch display or App
- Peak-shaving mode, reduce the electricity bill.
- Flexible battery capacity expansion, 15.36~40.96kWh



System Parameters

System Structure						
Rated output power	3500 / 5000 / 7000 / 10000 kW					
Number of battery	3	4	5	6	7	8
Battery capacity	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%					
Enclosure protection rating	IP20					
Communication	Wi-Fi (Optional)					
Weight	159.5 kg	206.2 kg	252.9 kg	299.6 kg	346.3 kg	393.0 kg
Dimension [W x D x H,mm]	620*365*992.5	620*365*1291	620*365*1589.5	620*365*1888	620*365*2186.5	620*365*2485

Inverter

Model	UFox-X-100ET	UFox-X-150ET
Rated output power	10000W	15000W
Ouput surge power	20000W,5s	30000W,5s
Max. output current	16A/phase	22.7A/phase
Rated output voltage	220/230/240Vac ± 5%; 380/400/415Vac ± 5%	
Rated frequency	50/60Hz	
THDv	<3%	
Output wave	Pure Sine Wave	
Output type	Pluggable connector	
AC input voltage range	APL Mode: 154~264Vac/UPS Mode: 185~264Vac	
AC input frequency	50/60Hz	
AC Input sources	L1+L2+L3+N+PE	L1+L2+L3+N+PE
Max. PV power(Recommended)	4500W*3	5500W*3
Max PV Input Power	450V	
MPPT voltage range	120~430V	
Max charge current(Battery)	80A*3	
Cooling strategy	Fan	
Weight	49.9 kg	
Dimension [W x D x H]	620*365*298.5 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	49.9 kg
Dimension [W x D x H]	620*365*139 mm

Certificate

Certificate	CE-LVD, CE-EMC, UN38.3
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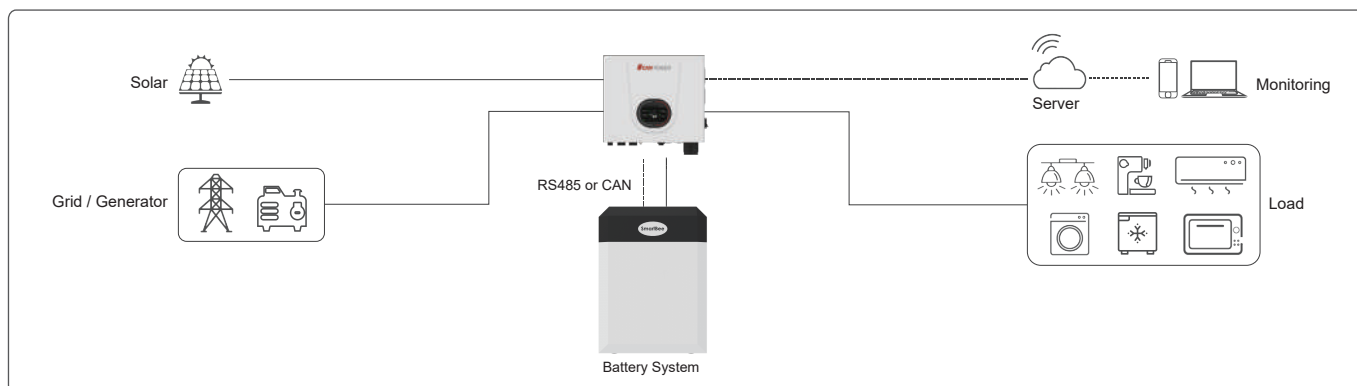
UPC Series Off-Grid Inverter

This is a multi-function Inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. The interactive design of buttonless touch screen makes the operation infinitely simple. By cooperating with the remote monitoring app, it is possible to understand the power generation situation in real-time, while also upgrading programs and setting key parameters remotely.



Features

- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD touch screen
- Configurable AC/Solar Charger priority via touch screen setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/Over temperature/short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function



Model	UPC-3.5KSW	UPC-5KSW	UPC-5.5KSW
Battery			
Rated Voltage	51.2V		
Voltage Range	44.8~57.6V		
Max. Charge Current	80A		
AC Output (Backup)			
Rated Power	3500W	5000W	5500W
Output Voltage	208/220/230/240V		
Output Frequency	50/60Hz		
Max Output Current	16A	22.7A	26.4A
Rated Current	15.2A	21.7A	23.9A
Peak Power	7000W	10000W	11000W
Over Load Ability	Battery Mode (Battery Max Output Current > 200A) : 1min@102~110% Load 10s@110~130% Load 3s@130~150% Load 200ms@ > 150%Load		
Peak Efficiency(Battery Mode)	> 92%		
Transfer Time	UPS Mode: 10ms/ APL Mode: 20ms		
AC Input			
Input Sources	L+N+PE		
AC Input Voltage Range	154~264V		
Rated Input Voltage	208/220/230/240V		
AC input frequency	50/60Hz (Auto Adaptive)		
PV Input			
Max PV Input Power	4500W	5500W	5500W
Number of independent MPPT trackers	1		
No. of PV strings per MPPT trackers	1/1		
Max. PV Input Voltage	450V		
MPPT Voltage Range	120~430V		
Max. DC Input Current	18A		
Max. DC Short Circuit Current	20A		
General Data			
Range of working temperature	0°C~50°C		
Storage temperature	-15°C~60°C		
Humidity	20-95% non-condensing		
Cooling strategy	Fan		
Altitude	<1000m		
Weight	10.2kg		
Dimension [W x H x D]	420*360*120 mm		
Enclosure protection rating	IP20		
Communication	Wi-Fi (Optional)		
Certificate	CE-LVD, CE-EMC		

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SmartBee-5120MT Low Voltage Battery System

This series lithium iron phosphate battery can be used to support reliable power for various types of equipment and systems. This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life. This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging and discharging to extend cycle life.



Support 1C charge and discharge rate.



Remote diagnosis and real-time data monitoring.



Compact size and space saving, Easy to wall mount.

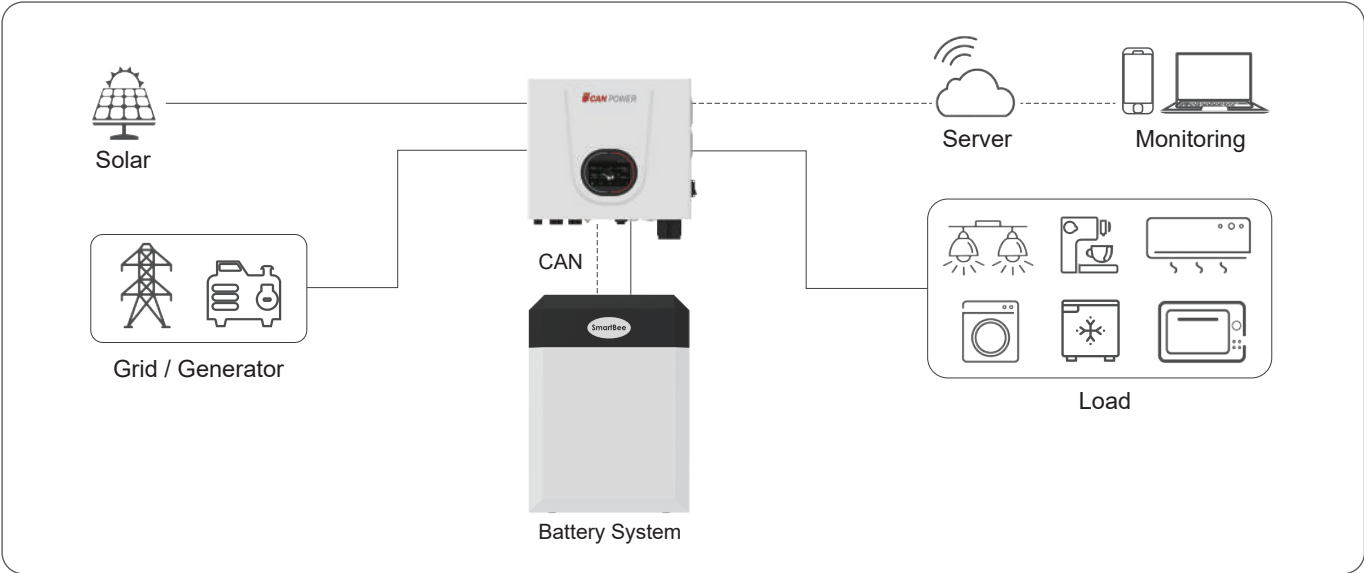


Just plug and play to minimize the installation time and cost.

Battery Module	SmartBee-5120MT
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Electrical Parameter	
Battery Type	LiFePO4
Battery Capacity per Kit [Wh]	5120Wh
Usable Energy [Wh]	4600Wh
Rated Voltage [V]	51.2V
Voltage range [V]	44.8V-57.6V
Max. Charging and Discharging Rate	100A
Depth Of Discharge [DOD]	≤90%
Cycle Life(25°C ,0.5C)	≥6000 times,80% Capacity retention
Scalability	Yes (up to 20.48kWh)
General Data	
Communication Mode	RS232/CAN2.0
Operating Temperature Range	0~50°C (Charge)/-10~50°C(Discharge)
Storage Temperature Range	-15°C~60°C
Cooling Method	Natural Convection
Altitude	<1000m
Ambient Humidity	20-95% non-condensing
Noise[dBA]	<25
Ingress Protection	IP20
Dimensions [H*W*D]	630*453*182mm
Weight	51.2kg

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



Ucanpower, Bring Energy to Life!



UBird Portable Suitcase Energy Storage System



UBird-X series is a portable 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). With the application scenario of outdoor adventures, family parties and emergency backup.



UBird-XN



Advanced Design

- Suitcase design, compact and elegant appearance.
- Easy to move for power supply.
- Both PV and grid charge, fast and convenient.



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	UBird-XN-Mini-30E	UBird-XN-Plus-50E
Battery		
Rated Voltage	51.2V	
Voltage Range	44.8~57.6V	
Capacity	3.58kWh	5.12kWh
Max. Discharge Current	70A	110A
Max. Charge Current(AC+PV)	45A	100A
Max. Charge Current (AC)	15A(10/15A Adjustable)	30A(10~60A Adjustable)
Battery Type	Li-ion (LFP)	
AC Output(Backup)		
Rated Power	3000W	5000W
Output Voltage	208/220/230/240Vac ± 5%	
Output Frequency	50/60Hz ± 1%	
Max Output Current	13.7A	22.7A
Rated Current	13A	21.7A
Output Wave	Pure Sine Wave	
Peak Efficiency (Battery Mode)	> 90%	
Transfer Time	20ms	
Output type	Multi-purpose AC Outlet×2	
AC Input		
Input Sources	L+N+PE	
Rated Input Voltage	170~280Vac	
Rated Input Voltage	230	
AC input frequency	50/60Hz	
PV Input		
Max PV Input Power	1800W	3500W
Max. PV Input Voltage	145Vdc	
MPPT Voltage Range	60~115Vdc	
Max PV Input current	30A	
Max. DC Short Circuit Current	32A	32A
General Data		
Range of working temperature	Charge: 0℃~50℃/Discharge: -10℃~55℃	
Optimal working temperature range	20℃~30℃	
Storage temperature	-15℃~60℃	
Humidity	20-95% non-condensing	
Cooling strategy	Fan	
Weight	52kg	70kg
Dimension [W x H x D]	430*490*308mm	500*540*308mm
Enclosure protection rating	IP43	
Packing	wooden case	
Certificate	CE,UN38.3,TUV mark	

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