Ucanpower, Bring Energy to Life!

UHome Series 3~8KW Single Phase All in One ESS

UHome-3~8K0L series is an all-in-one solar and storage solution, which integrates the inverter, battery charger, UPS and battery into a pre-wired modular system for easier and faster installation, which reduce the installation time of up to 50%.

Compact, elegant appearance with IP65 design, so it can be mounted indoor or outdoor withstanding all weather conditions.



Leading Technology

- Max. 15A PV input current per string
- 97.6% max. efficiency

Easy Installation

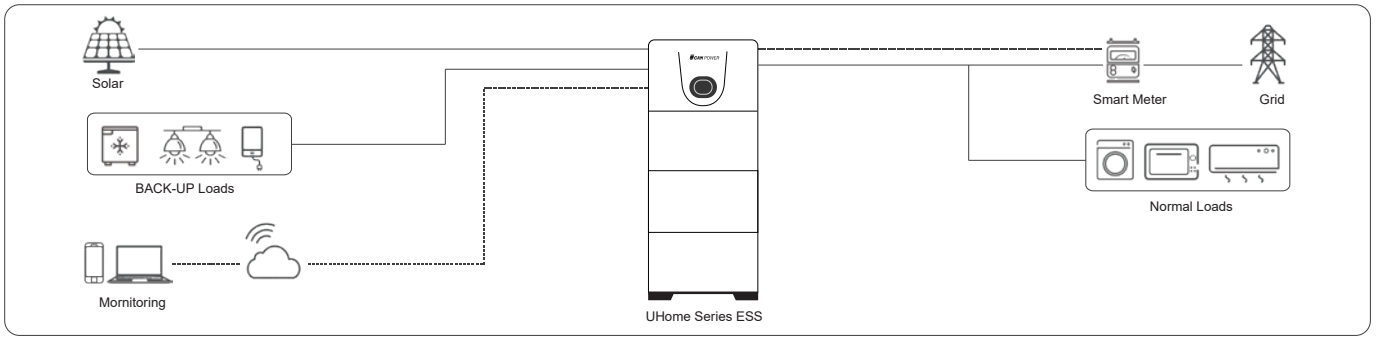
- Modular all in one design,quick installation with plug&play
- Flexible battery capacity expansion, 5~30kWh

High Reliability

- IP 65 rating, indoor and outdoor installation
- LiFePO4 battery cell, safety and reliable

User-Friendly

- Real-time monitoring and parameter control through APP
- Ideal for residential application with low operating noise



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Model	UHome-3K0L	UHome-3K6L	UHome-4K0L	UHome-4K6L	UHome-5K0L	UHome-6K0L	UHome-8K0L
Inverter							
Rated battery voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V
Max. charge/discharge current	95/63A	95/75A	95/84A	95/96A	105/105A	110/110A	160A/160A
Max. input power	4500W	5400W	6000W	6900W	7500W	9000W	12000W
Max. PV voltage	550V						
Start-up voltage	120V						
Rated DC voltage	360V						
MPPT voltage range	125~500V						
No. of MPP trackers	2						
No. of string per MPP tracker	1/1	1/1	1/1	1/1	1/1	1/1	2/1
Max.input current	14/14A	14/14A	14/14A	14/14A	14/14A	14/14A	30/15A
Rated output power for on-grid and off-grid	3000W	3600W	4000W	4600W	5000W	6000W	8000W
Max. AC output current for on-grid and off-grid	13A	16A	17.4A	20A	21.7A	26A	35A
Rated output voltage	L/N/PE, 220V, 230V						
Rated frequency	50/60Hz						
THDv	＜3%						
Overload ability	110%, 60s /120%, 30s /150%, 10s						
Switch time	<20ms						
Inverter topology	Non-isolated						
Max. efficiency	97.6%						
Euro efficiency	97.0%						
Max. battery charge/discharge efficiency	95.0%						
Weight	34kg						
Dimension [W x D x H]	675*200*415mm						
Battery module							
Battery type	Li-ion（LFP）						
Rated battery voltage	51.2V						
Battery volttgae range	44.8~57.6V						
Capacity	5.12kWh						
Weight	53.6kg						
Dimension [W x D x H]	675*200*365mm						
System Parameters							
System Structure							
Rated output power	3000~8000W						
Number of battery	1	2	3	4	5	6	
Battery capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	
Operating temperature	0℃~50℃ (Charge) / -10℃~50℃ (Discharge)						
Noise	<35dB						
Humidity	0~95%						
Cooling strategy	Natural						
Enclosure protection rating	IP65						
Communication	RS485,Optional: WiFi						
Operating altitude	<2000m						
Weight	93kg	147kg	201kg	255kg	124kg/201kg	178kg/201kg	
Dimension [W x D x H]	675*200*840mm	675*200*1205mm	675*200*1570mm	675*200*1935mm	675*200*985mm 675*200*1570mm	675*200*1350mm 675*200*1570mm	
Certificate							
EMC	EN61000						
Safety	IEC62109-1, IEC62109-2						
Grid	EN50549-1,VDE-AR-N-4105, CEI 0-21, AS/NZS 4777						

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Ucanpower, Bring Energy to Life!

UHC Series 4~12KW
Three Phase Hybrid Inverter



UHC - 4~12KT suit household and small commercial applications. Hybrid and AC-coupled solution provide flexible options for both new and retrofit systems, with the feature of Max.10 units inverter in parallel, offering a solution for small commercial project.

All of them ensure the most efficient use of solar energy at home,increase self-consumption and grid independence, reduce your electricity bills.

Leading Technology

- Max. 15A PV input current per string
- Less than 10ms UPS-level switching
- 98.2% max. efficiency

High Reliability

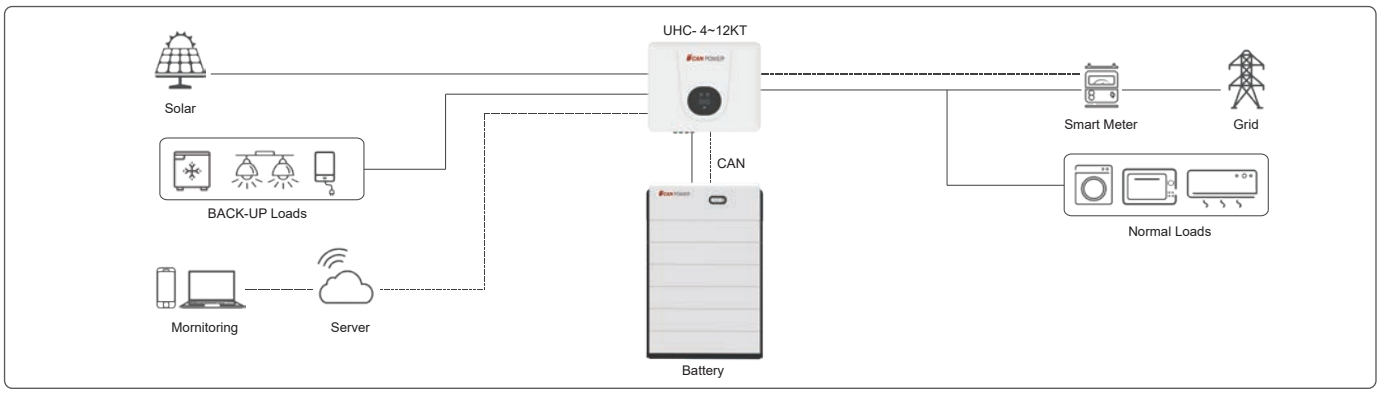
- IP65 protection degree
- Compact and elegant design with integrated diecasting technology
- Long-term efficient operation with advanced heat dissipation design

High Performance

- Up to 110% unbalanced load
- Max. 200% back-up output overloading @60s
- Parallel operation with max. 10 units

User-Friendly

- Easy installation and O&M with horizontal design and quick plug terminals
- Easy data check via both OLED display and App
- Ideal for residential application with low operating noise



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Model	UHC-4KT	UHC-5KT	UHC-6KT	UHC-8KT	UHC-10KT	UHC-12KT
PV Input Data						
Max.PV power	6000W	7500W	9000W	12000W	15000W	18000W
Max. DC voltage	1000V					
Start-up voltage	135V					
MPPT voltage range	120~950V	120~950V	120~950V	200~950V	200~950V	200~950V
Rated DC voltage	620V					
No. of MPP trackers	2					
No. of string per MPP tracker	1/1					
Max. input current	15A/15A					
Max. short current	20A/20A					
Battery Input Data						
Battery type	Li-Ion(LFP)					
Battery voltage range	135~750V					
Max. charge power	4000W	5000W	6000W	8000W	10000W	12000W
Max. charge/discharge current	25A/25A					
Communication	CAN					
AC Output Data (On-grid)						
Rated AC power	4000W	5000W	6000W	8000W	10000W	12000W
Max. AC power output to grid	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA
Max. AC power from grid	8000VA	10000VA	12000VA	16000VA	16500VA	16500VA
Max. AC current output to grid	6.7A	8.3A	10A	13.3A	16.5A	20A
Rated grid voltage	3/N/PE, 220/380V, 230/400V, 240/415V					
Grid voltage range	184V~276V					
Rated grid frequency	50/60Hz					
Output power factor	~1(0.8 leading to 0.8 lagging)					
Output THDi (@Rated output)	<3%					
AC Output Data (Back-up)						
Rated output power	4000W	5000W	6000W	8000W	10000W	12000W
Max. output power	4400W	5500VA	6600VA	8800VA	11000VA	13200VA
Peak output power, Duration	8000VA, 60s	10000VA, 60s	12000VA, 60s	16000VA, 60s	16500VA, 60s	16500VA, 60s
Max. output current	6.7A	8.3A	10A	13.3A	16.5A	20A
Rated output voltage	3/N/PE, 220/380V, 230/400V, 240/415V					
Rated output frequency	50/60Hz					
Output THDv (@Liner load)	<3%					
Switch time	<10ms					
Efficiency						
Max. efficiency	98.1%	98.1%	98.1%	98.2%	98.2%	98.2%
Euro efficiency	97.3%	97.3%	97.3%	97.4%	97.4%	97.4%
Protection						
DC switch	Yes					
Protection	PV reverse polarity protection / Output over current protection / Output over voltage protection Anti-islanding protection / Residual current detection / Insulation resistor detection / Battery reverse protection					
Surge protection level	PV: Type II, AC:Type III					
General Data						
Dimension	550×435×210mm					
Weight	26kg					
Inverter topology	Non-isolated					
Standby self consumption	<15W					
Operating temperature range	-30℃~60℃					
Relative humidity	0~100%					
Operating altitude	<3000m					
Cooling	Natural					
Protection degree	IP65					
Display	LCD&LED					
Communication	RS485,Optional： WiFi/LAN					
Standard warranty	Standard 5 years					
Certificates						
EMC	EN61000					
Safety	IEC62109-1, IEC62109-2					
Grid	EN50549-1, TOR Generator Type A, VDE-AR-N-4105, CEI 0-21, UNE 206006, UNE206 007-1					

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UHC Series 15~20KW Three Phase Hybrid Inverter

UHC-15~20KT suit small commercial applications. Hybrid and AC-coupled solution provide flexible options for both new and retrofit systems, with the feature of Max.10 units inverter in parallel, offering a solution for small commercial project.

All of them ensure the most efficient use of solar energy locally,increase self-consumption and grid independence, reduce your electricity bills.



Leading Technology

- Max. 15A PV input current per string
- Less than 10ms UPS-level switching
- Max. 40A battery charge/discharge current

High Reliability

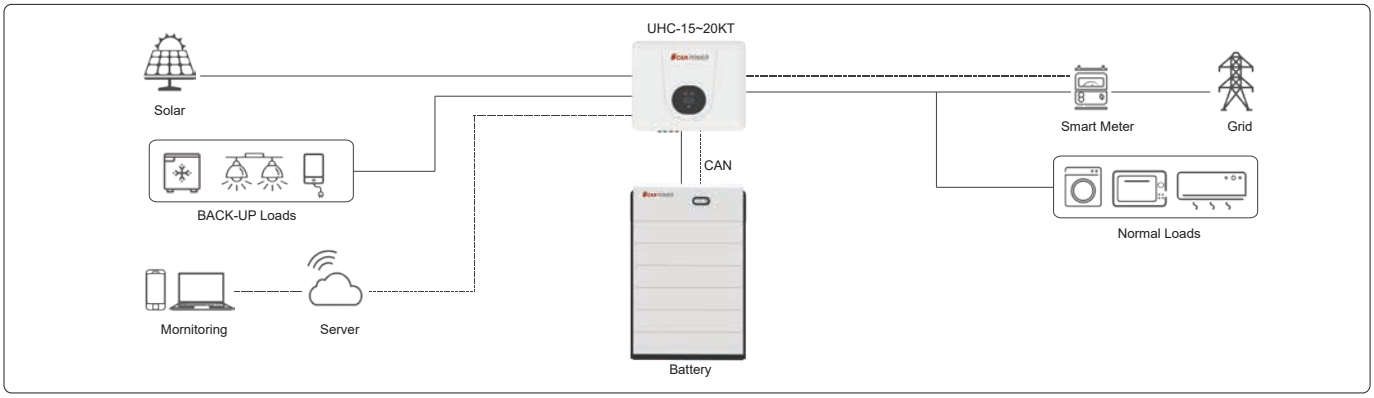
- IP65 protection degree
- Compact and elegant design with integrated diecasting technology
- Long-term efficient operation with advanced heat dissipation design

High Performance

- Up to 110% unbalanced load
- Max. 200% back-up output overloading @60s
- Parallel operation with max. 10 units

User-Friendly

- Easy installation and O&M with horizontal design and quick plug terminals
- Easy data check via both OLED display and App
- Easy wifi configuration via APP



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Model	UHC-15KT	UHC-20KT
PV Input Data		
Max.PV power	22500W	30000W
Max. DC voltage	1000V	
Start-up voltage	135V	
MPPT voltage range	200~950V	
Rated DC voltage	620V	
No. of MPP trackers	2	
No. of string per MPP tracker	2/2	
Max. input current	30A/30A	
Max. short current	40A/40A	
Battery Input Data		
Battery type	Li-Ion(LFP)	
Battery voltage range	135~750V	
Max. charge power	15000W	20000W
Max. charge/discharge current	40A/40A	
Communication	CAN	
AC Output Data (On-grid)		
Rated AC power	15000W	20000W
Max. AC output to grid	16500VA	22000VA
Max. AC power from grid	30000VA	30000VA
Max. AC current output to grid	25A	33.5A
Rated grid voltage	3/N/PE, 220/380V, 230/400V, 240/415V	
Grid voltage range	184~276V	
Rated grid frequency	50/60Hz	
Output power factor	~1(0.8 leading to 0.8 lagging)	
Output THDi (@Rated output)	<3%	
AC Output Data (Back-up)		
Rated output power	15000W	20000W
Max. output power	16500VA	22000VA
Peak output power, Duration	25000VA, 60s	25000VA, 60s
Max. output current	25A	33.5A
Rated output voltage	3/N/PE, 220/380V, 230/400V, 240/415V	
Rated output frequency	50/60Hz	
Output THDv (@Liner load)	<3%	
Switch time	<10ms	
Efficiency		
Max. efficiency	98.4%	
Euro efficiency	97.5%	
Protection		
DC switch	Yes	
Protection	PV reverse polarity protection / Output over current protection / Output over voltage protection Anti-islanding protection / Residual current detection / Insulation resistor detection / Battery reverse protection	
Surge protection level	PV: Type II, AC:Type III	
General Data		
Dimension	550×435×210mm	
Weight	31kg	
Inverter topology	Non-isolated	
Standby self consumption	<15W	
Operating temperature range	-30℃~60℃	
Relative humidity	0~100%	
Operating altitude	<3000m	
Cooling	Fan	
Protection degree	IP65	
Display	LCD&LED	
Communication	RS485,Optional:WiFi/LAN	
Standard warranty	Standard 5 years	
Certificates		
EMC	EN61000	
Safety	IEC62109-1, IEC62109-2	
Grid	EN50549-1, TOR Generator Type A, VDE-AR-N-4105, CEI 0-21, UNE 206006, UNE206 007-1	

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UHB High Voltge Battery System



UHB-50Ah series is a high voltage battery that offers multiple energy storage options through an expandable modular design (2-10 modules combined), which further simplifies installation and O&M with multiple smart functions.

The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance.



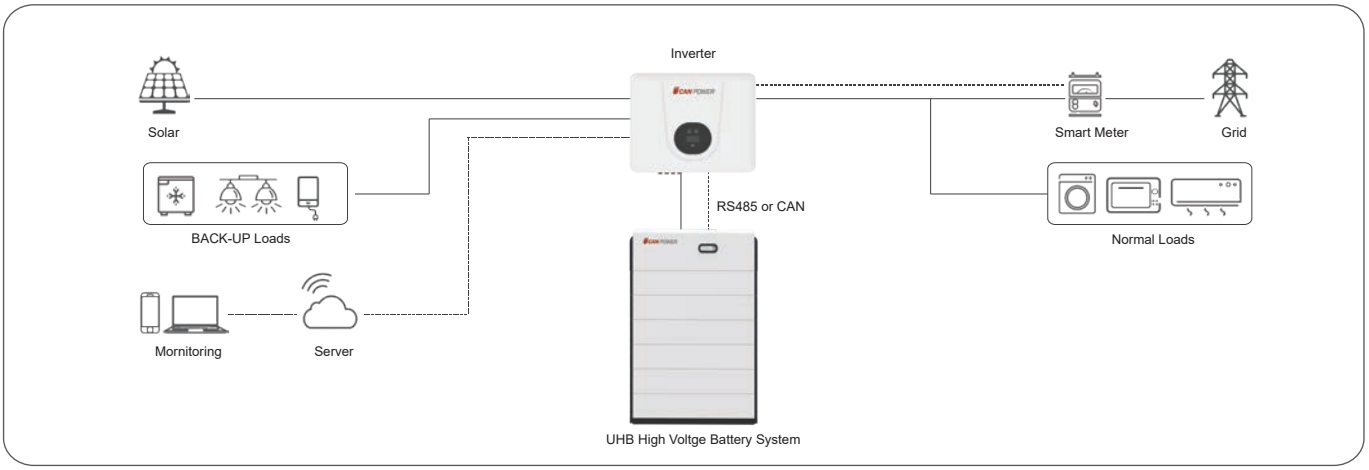
- **Original battery active balance technology**
- **Flexible capacity options, 5.12kWh to 25.6kWh**
- **Easy installation with modular and stacked design**
- **Remote diagnosis and real-time data monitoring**

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Model	UHB512	UHB768	UHB1024	UHB1280	UHB1536	UHB1792	UHB2048	UHB2304	UHB2560
Electrical Parameters									
NO. of series battery	2	3	4	5	6	7	8	9	10
Rated energy（kWh）	5.12	7.68	10.24	12.8	15.36	17.92	20.48	23.04	25.6
Usable energy（kWh）	4.6	6.9	9.2	11.52	13.8	16.13	18.4	20.7	23
Rated voltage(V)	102.4	153.6	204.8	256	307.2	358.4	409.6	460.8	512
Voltage range(V)	89.6~115.2	134.4~172.8	179.2~230.4	224~288	268.8~345.6	313.6~403.2	358.4~460.8	403.2~518.4	448~576
Rated capacity(Ah)	50								
Charge current(A)	25（Recommended）/50（MAX）								
Discharge current(A)	25（Recommended）/50（MAX）								
Cycle times	80% DOD，cycles>10000，residual capacity>60%								
Communication	RS485/RS232/CAN 2.0								
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit								
Size [W x D x H, mm]	851*255*358	851*255*488	851*255*618	851*255*748	851*255*878	851*255*1008	851*255*1138	851*255*1268	851*255*1398
Weight [kg]	72	104	136	168	200	232	264	296	328
Working Conditions									
Installation	Indoor								
Working temperature	0℃~50℃ (Charge) / -10℃~50℃ (Discharge)								
Optimum working temperature	20℃~30℃								
Storage temperature	-15℃~60℃								
Protection degree	IP20								
Humidity	5%-95%								
Altitude	≤2000								
Cooling	Natural								
Certificate	CE, UN38.3, MSDS								

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Ucanpower, Bring Energy to Life!

ULB-5120MT Low Voltge Battery System

ULB series is a low voltage battery that offers multiple energy storage options through an expandable modular design (1-4 modules combined), which further simplifies installation and O&M with multiple smart functions. The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance.



- **Support 1C charge and discharge rate.**
- **Flexible capacity options, 5.12kWh to 20.48kWh**
- **Easy installation with modular and stacked design**
- **Remote diagnosis and real-time data monitoring**

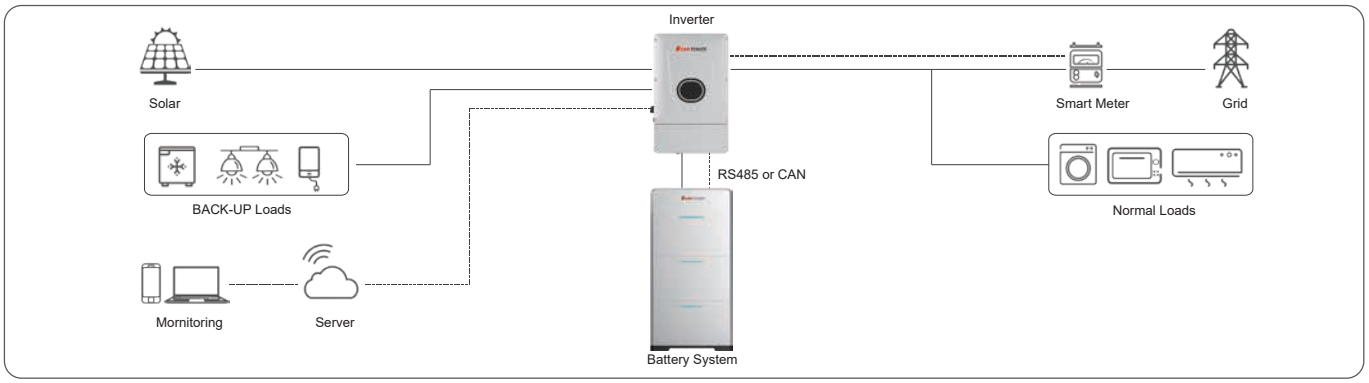
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Model	ULB-5120MT			
System Structure				
System Structure				
System Parameters				
Number of battery	1	2	3	4
Battery capacity（kWh）	5.12	10.24	15.35	20.48
Usable energy（kWh）	4.6	9.22	13.82	18.43
Rated capacity（Ah）	100			
Rated voltage（V）	51.2			
Voltage range（V）	44.8~57.6			
Max. charge and discharge rate	1C			
Cycle times	80% DOD，cycles>6000，residual capacity>70%			
Communication	RS485/CAN 2.0			
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit			
Dimension (mm)	675*200*620	675*200*985	675*200*1350	675*200*1715
Weight（kg）	70	124	178	232
Working Conditions				
Installation	Indoor			
Operating temperature	0℃~50℃ (Charge) / -10℃~50℃ (Discharge)			
Optimum working temperature	20℃~30℃			
Storage temperature	-15℃~60℃			
Humidity	5%-95%			
Cooling strategy	Natural			
Enclosure protection rating	IP65			
Altitude (m)	<2000			
Certificate	UN38.3, IEC 62619, UL9540, UL1973			



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ULB-2560 Low Voltge Battery System



ULB series is a low voltage battery that offers multiple energy storage options through an expandable modular design (2-8 modules combined), which further simplifies installation and O&M with multiple smart functions.

The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance.

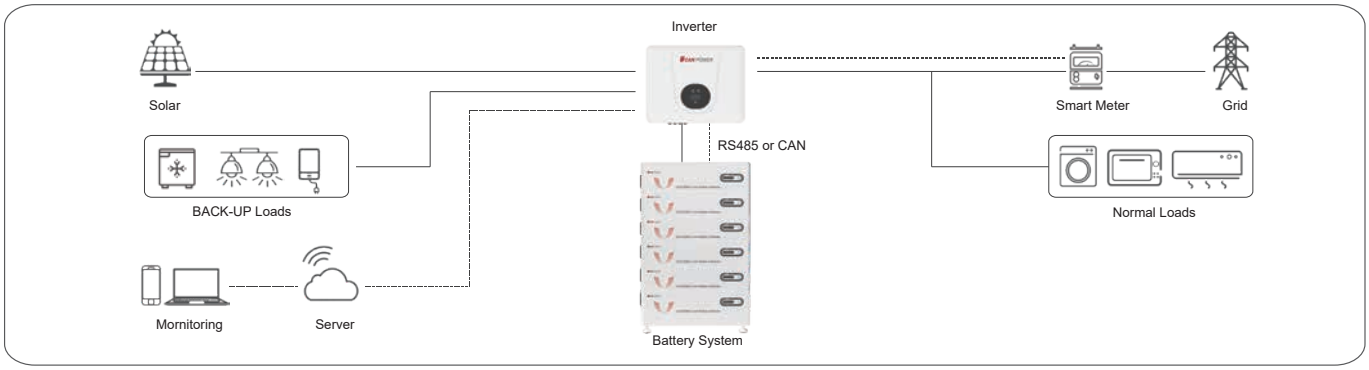
- **Support 1C charge and discharge rate.**
- **Flexible capacity options, 5.12kWh to 20.48kWh**
- **Easy installation with modular and stacked design**
- **Remote diagnosis and real-time data monitoring**

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Model	ULB-2560						
System Structure							
System Structure							
System Parameters							
Number of battery	2	3	4	5	6	7	8
Battery capacity（kWh）	5.12	7.68	10.24	12.8	15.36	17.92	20.48
Usable energy（kWh）	4.6	6.9	9.2	11.52	13.8	16.13	18.4
Rated capacity（Ah）	50						
Rated voltage（V）	51.2						
Voltage range（V）	44.8~57.6						
Max. charge and discharge rate	1C						
Cycle times	80% DOD，cycles>6000，residual capacity>70%						
Communication	RS485/CAN 2.0						
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit						
Dimension（mm）	620*365*376	620*365*500	620*365*624	620*365*748	620*365*872	620*365*996	620*365*1120
Weight（kg）	72	104	136	168	200	232	264
Working Conditions							
Installation	Indoor						
Operating temperature	0℃~50℃ (Charge) / -10℃~50℃ (Discharge)						
Optimum working temperature	20℃~30℃						
Storage temperature	-15℃~60℃						
Humidity	5%-95%						
Cooling strategy	Natural						
Enclosure protection rating	IP20						
Altitude (m)	<2000						
Certificate	CE, UN38.3, TUV mark						

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ULB-5120 Low Voltge Battery System

ULB series is a low voltage battery that offers multiple energy storage options through an expandable modular design (2-8 modules combined), which further simplifies installation and O&M with multiple smart functions.

The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance.



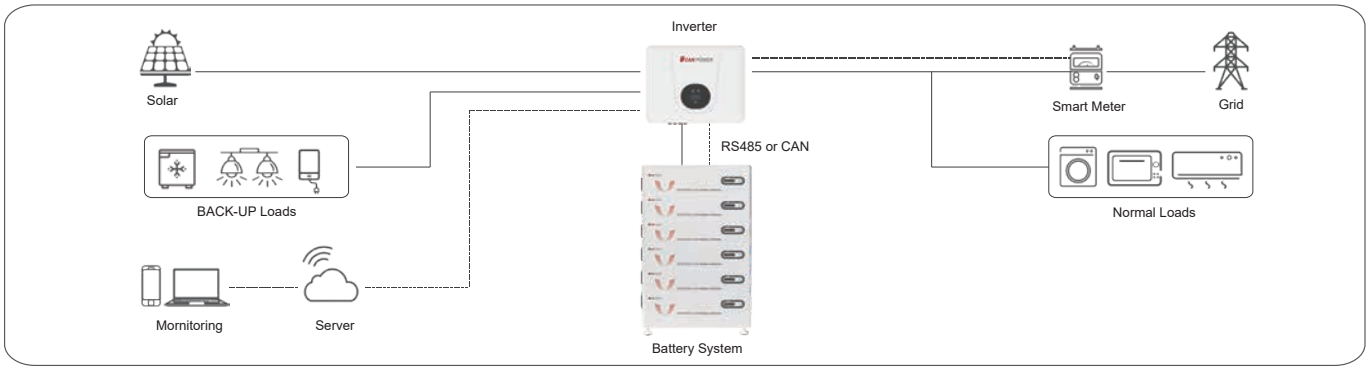
- **Support 1C charge and discharge rate.**
- **Flexible capacity options, 10.24kWh to 40.96kWh**
- **Easy installation with modular and stacked design**
- **Remote diagnosis and real-time data monitoring**

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Model	ULB-5120						
System Structure							
System Structure							
System Parameters							
Number of battery	2	3	4	5	6	7	8
Battery capacity（kWh）	10.24	15.35	20.48	25.6	30.72	35.84	40.96
Usable energy（kWh）	9.22	13.82	18.43	23.04	27.65	32.26	36.86
Rated capacity（Ah）	100						
Rated voltage（V）	51.2						
Voltage range（V）	44.8~57.6						
Max. charge and discharge rate	1C						
Cycle times	80% DOD，cycles>6000，residual capacity>70%						
Communication	RS485/CAN 2.0						
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit						
Dimension (mm)	620*365*406	620*365*545	620*365*648	620*365*823	620*365*962	620*365*1101	620*365*1240
Weight（kg）	102	149	196	243	290	337	384
Working Conditions							
Installation	Indoor						
Operating temperature	0℃~50℃ (Charge) / -10℃~50℃ (Discharge)						
Optimum working temperature	20℃~30℃						
Storage temperature	-15℃~60℃						
Humidity	5%-95%						
Cooling strategy	Natural						
Enclosure protection rating	IP20						
Altitude (m)	<2000						
Certificate	CE, UN38.3, TUV mark						

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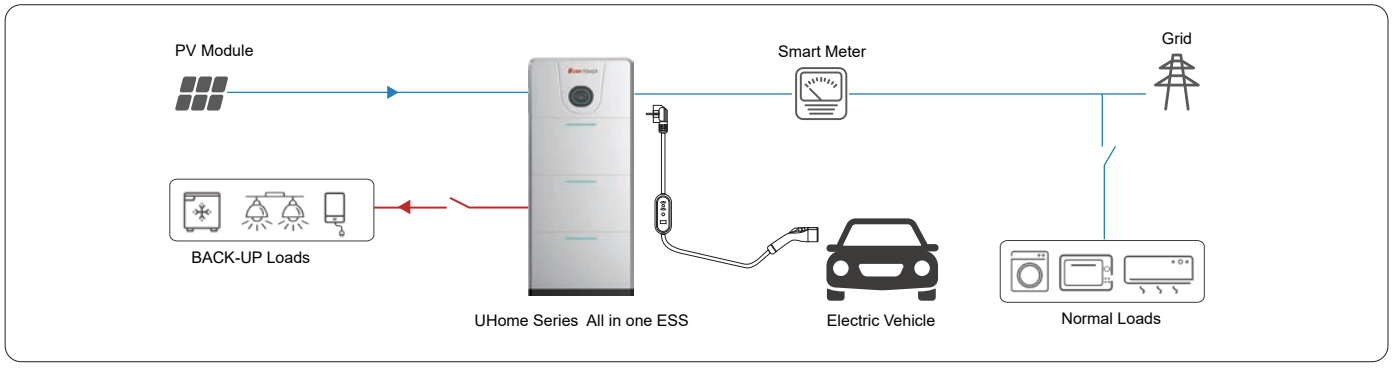


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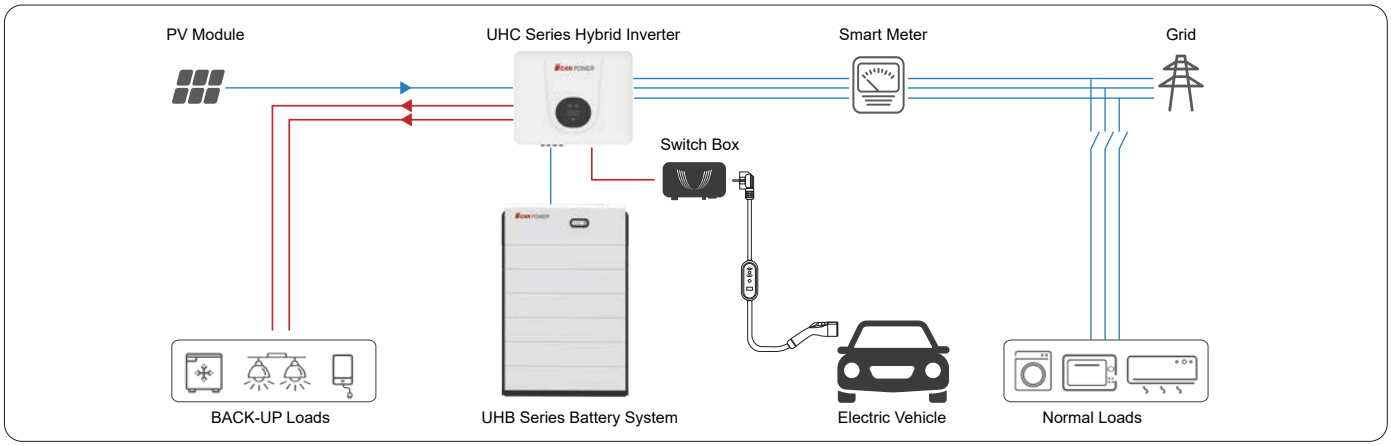
Residential Energy Storage and EV Charging Integrated System

The energy storage system is perfectly matched with the charger, supports scheduled charging, start to charge when the sunlight is good or the electricity price is cheap, increase the self-use rate of PV and reduce electricity bills.

Single phase Energy Storage and EV Charging Integrated System



Three phase Energy Storage and EV Charging Integrated System



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UCharger Series
Electric Vehicle Charger



UCharger is a fast charging device for electric vehicles. It perfectly integrates the charger with the charging gun and is safe and convenient to use.

At the same time, UCharger can be perfectly integrated into the residential energy storage system launched by UPOWER to achieve the integration of home energy storage and charging.

· Plug and play, easy to charge cars

Simple operation, plug in to charge, no complex operation required.

· Light in weight and easy to carry

Stylish appearance, lightweight design, compact and easy to carry.

· Real-time charging status control

Multi-function LCD, displays temperature, charging current/power/voltage/time, real-time power consumption/current/voltage.

· High current design, more efficient charging

Maximum charging current 32A, maximum charging power 7kW.

· High protection level

The charging gun is I55, the control box is IP56 design, it can withstand complex environment.

· Support to lock the charging function

Support NFC locking function to prevent others from using it without approval.

Item	Paramenters
Rated Voltage	220V AC
Rated Current	8A / 10A / 13A / 16A / 32A
Contact Resistance	0.5mΩ Max(L/N)
Insulation Resistance	≥500MΩ 2600V
Voltage Resistance	2600V AC 1min
Flame Retardant Rating	UL94 V-0
Terminal Temperature Rise	Less than 50K
Mechanical Life	At least 10000(No-load)
Insertion andextraction Force	20N-80N
Ingress Pratection	Charging gun IP55, Controubox IP56
Working Temperature	-25℃ ~ 60℃

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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℃~50℃ (Charge) / -10℃~50℃ (Discharge)		0℃~50℃ (Charge) / -10℃~50℃ (Discharge)	
Storage temperature	-15℃~60℃		-15℃~60℃	
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	

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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 Max. 10.24kWh 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-WP-35E	UFox-WP-50E
Battery		
Rated voltage	51.2V	51.2V
Voltage range	44.8~57.6V	44.8~57.6V
Capacity	10.24kWh	10.24kWh
Max. discharge rate	0.7C	0.7C
Max. charge rate	0.5C	0.5C
Battery type	Li-ion (LFP)	Li-ion (LFP)
AC Output(Backup)		
Rated power	3500W	5000W
Surge power	7000W,5s	10000W,5s
Rated output voltage	220/230/240V	220/230/240V
Max. output current	16A	22A
Rated frequency	50/60Hz	50/60Hz
THDv	< 3%	< 3%
Output wave	Pure Sine Wave	Pure Sine Wave
Output type	Pluggable connector	Pluggable connector
AC Input		
AC input voltage range	170~280V	170~280V
AC input frequency	50/60Hz	50/60Hz
AC charge current(Battery)	30A(0~60A Adjustable)	30A(0~80A Adjustable)
PV Input		
Max. PV power(Recommended)	4500W	6000W
Max. PV voltage	450V	450V
MPPT voltage range	120~430V	120~430V
Max PV charge current(Battery)	80A	100A
General Data		
Operating temperature	0~50℃ (Charge) / -10~50℃ (Discharge)	0~50℃ (Charge) / -10~50℃ (Discharge)
Storage temperature	-15℃~60℃	-15℃~60℃
Humidity	5%~95%	5%~95%
Cooling strategy	Fan	Fan
Weight	120kg	120kg
Dimension [W x H x D]	660*1150*200 mm	660*1150*200 mm
Enclosure protection rating	IP44	IP44
Communication	WiFi/RS485	WiFi/RS485
Certificate	CE,UN38.3,TUV mark	

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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

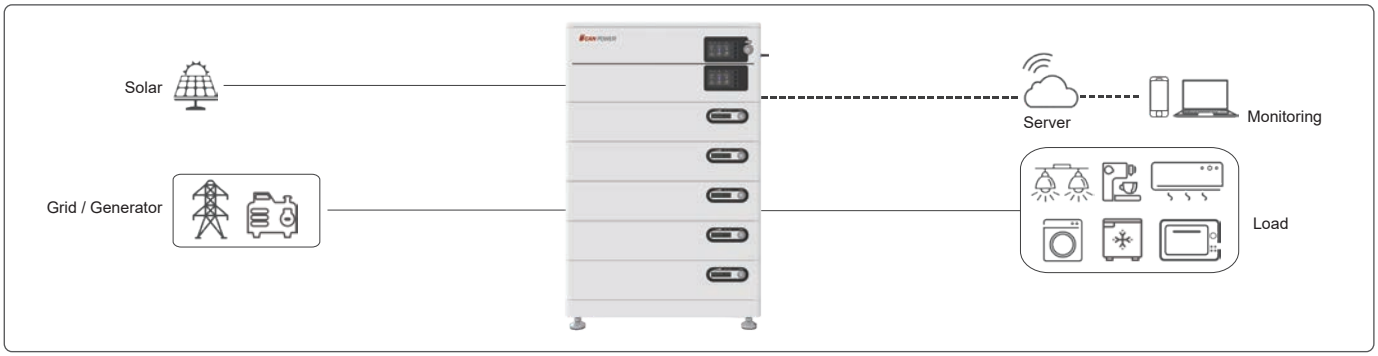
- LFP battery cell technology, safe than ever.
- Multiple protections,safe and reliable.

User-Friendly

- Multi-purpose AC outlet,easy to use.
- Multiple work modes, meet lots of scenarios.

Advanced Design

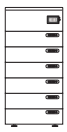
- Both PV and grid charge, fast and convenient.
- Peak-shaving mode, reduce the electricity bill.
- Modular and all in one design, compact and elegant appearance, battery is expandable.



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Model	UFox-X-035ES	UFox-X-050ES
Inverter		
Rated output power	3500W	5000W
Ouptut 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 voltgae 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℃~50℃ (Charge) / -10℃~50℃ (Discharge)						
Storage temperature	-15~60℃						
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						

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Model	UFox-X-070ES	UFox-X-100ES
Inverter		
Rated output power	7000W	10000W
Ouptut 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 voltgae 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℃~50℃ (Charge) / -10℃~50℃ (Discharge)						
Storage temperature	-15~60℃						
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
Ouptut 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 voltgae 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℃~50℃ (Charge) / -10℃~50℃ (Discharge)						
Storage temperature	-15~60℃						
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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CAN POWER

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 rate	1C	
Max. charge rate	1C	
Battery type	Li-ion (LFP)	
AC Output(Backup)		
Rated power	3000W	5000W
Surge power	6000W,5s	10000W,5s
Rated output voltage	220/230/240V	
Max. output current	13.7A	22.7A
Rated frequency	50/60Hz	
THDv	< 3%	
Output wave	Pure Sine Wave	
Output type	Multi-purpose AC Outlet×2	
AC Input		
AC input voltage range	170~280V	
AC input frequency	50/60Hz	
AC charge current(Battery)	15A(10/15A Adjustable)	30A(0~60A Adjustable)
PV Input		
Max. PV power(Recommended)	1800W	4500W
Max. PV voltage	145V	
MPPT voltage range	60~115V	
Max PV charge current(Battery)	30A	80A
General Data		
Operating temperature	0℃~50℃ (Charge) / -10℃~50℃ (Discharge)	
Storage temperature	-15℃~60℃	
Humidity	5%~95%	
Cooling strategy	Fan	
Weight	52kg	70kg
Dimension [W x H x D]	461 x 558 x 308 mm	531 x 608 x 308 mm
Enclosure protection rating	IP43	
Certificate	CE,UN38.3,TUV mark	

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