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15,000m²

Production Area

200,000Sets

Annual Production Capacity



Who is UCanPower ?

40%

Percentage of Engineers

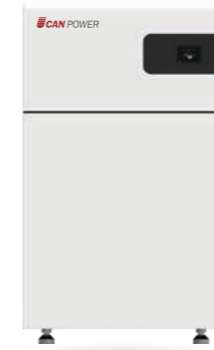
15+

Industry Experience

Upower Electric Co., Ltd has been a leading supplier of solar energy storage systems and solutions worldwide for many years. Our primary brand, UCANPOWER, focuses on providing cost-effective and purpose-built solutions for the residential and small commercial solar ESS market.

We envision a future where solar power is widely utilized by both homes and commercials. Our top of the line inverters are designed to be plug and play for effortless installation and have a modular design that allows for easy assembly of large energy storage systems using small ESS modules.

All-in-One ESS



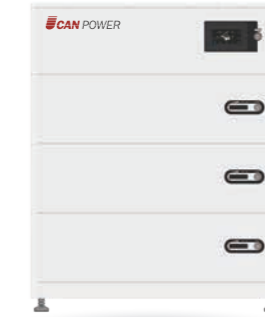
AE Series

AE-3600-Pro
AE-5000-WP
AE-6200-MAX



UFox-X Series

UFox-X-050ES
UFox-X-100ES
UFox-X-150ET



UFox-X-Plus Series

UFox-X-Plus-080ES
UFox-X-Plus-100ES
UFox-X-Plus-120ES



UBird-X Series

UBird-X-Plus-036E
UBird-X-Plus-050E

Off-Grid Inverter



UPC Series

UPC-3.6KS



UPC Series

UPC-5KSW



UPC Series

UPC-6.2KSW



UPC Series

UPC-8KSW
UPC-10KSW
UPC-12KSW

Energy Storage Battery



EB Series

EB-512
EB-512-24



EB Series

EB-1024



EB Series

EB-1434
EB-1608



ULB Series

ULB-5120



ULB Series

ULB-16080

AE Series Off-Grid All-in-One ESS

3.6kW-8.16kWh | 5kW-10.24kWh | 6.2kW-16.08kWh



Model	AE-3600-Pro	AE-5000-WP	AE-6200-MAX
Battery			
Rated voltage	25.6V	51.2V	51.2V
Voltage range	22.4~28.8V	44.8~57.6V	44.8~57.6V
Capacity	8.16kWh	10.24kWh	16.08kWh
Max. Discharge Current	150A	100A	100A
Max. Charge Current	100A	80A	100A
Battery type	Li-ion (LFP)		
AC Output(Backup)			
Rated power	3600W	5000W	6200W
Number of load output channels	2 (One of the outputs can be configured to disconnect under specified conditions.)		
Rated output voltage	208/220/230/240V		
Max. output current	16A	22.7A	28.1A
Rated Current	15.7A	21.7A	27A
Rated frequency	50/60Hz		
THDv	<3%		
Peak Efficiency(Battery Mode)	>92.7%	>92%	>93%
Output type	Pluggable connector		
Parallel	No	No	Up to 6 units parallel (single phase/three phase system)
AC Input			
Input Sources	L+N+PE		
AC Input Voltage Range	APL Mode: 90~280Vac/ UPS Mode: 170~264Vac	APL Mode: 154~264Vac/ UPS Mode: 185~264Vac	APL Mode: 90~280Vac/ UPC Mode: 170~280Vac
Rated Input Voltage	208/220/230/240V		
AC input frequency	50/60Hz (Auto Adaptive)		
PV Input			
Max PV Input Power	5000W	5500W	6600W
Max. PV Input Voltage	500V	450V	500V
MPPT Voltage Range	40~450V	120~430V	120~450V
Max. DC Input Current	18A		22A
Max. DC Short Circuit Current	20A		24A
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	<2000m	<1000m
Enclosure protection rating	IP20		
Communication	RS485, WiFi, Dry		
Dimensions [H*W*D]	820*500*180mm	1150*600*150 mm	1080.5*590*240 mm
Weight	75.5kg	103kg	133kg
Certificate			
Certificate	CE, UN38.3, MSDS		



Easy data check via both LCD touch display or App



All in one design, compact and elegant appearance

2 Load Output

Dual load output interfaces, one of which can be set

20ms

Less than 20ms UPS-level switching

Parallel

The AE-6200-MAX model supports up to 6 devices connected in parallel to form single-phase or three-phase systems.



Can be set to feed surplus PV power in to the grid



Reserve Dry communication and support linkage with diesel generators



Support remote software upgrade (OTA)

UFox-X Series Stackable All-in-One ESS



UFox-X-050ES

UFox-X-150ET

<p>Easy data check via both LCD touch display or App</p>	<p>Modular and all in one design, compact and elegant appearance</p>	<p>20ms</p> <p>Less than 20ms UPS-level switching</p>	<p>5.12~40.96kWh</p> <p>Flexible battery capacity expansion, 5.12~40.96kWh</p>
<p>110%</p> <p>110% PV input Oversizing</p>	<p>1C</p> <p>The battery system supports 1C discharge.</p>	<p>Multiple working modes can be set</p>	<p>Support remote software upgrade (OTA)</p>

System Parameters

System Structure									
Rated Output Power	5000W(1-8 battery modules) / 10000W(2-8 battery modules) / 15000W(3-8 battery modules)								
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°C~50°C (Charge) / -10°C~55°C (Discharge)								
Storage Temperature	-15~60°C								
Humidity	20-95%Non-Condensing								
Enclosure Protection Rating	IP20								
Communication	Wi-Fi (Optional)								
Weight	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
	100ES	/	126.8 kg	173.5 kg	220.2 kg	266.9 kg	313.6 kg	360.3 kg	407.0 kg
	150ET	/	/	183.5 kg	230.2 kg	276.9 kg	323.6 kg	370.3 kg	417.0 kg
Dimension [WxHxD,mm]	050ES	620*406.5*365	620*545.5*365	620*684.5*365	620*823.5*365	620*962.5*365	620*1101.5*365	620*1240.5*365	620*1379.5*365
	100ES	/	620*582*365	620*721*365	620*860*365	620*999*365	620*1138*365	620*1277*365	620*1416*365
	150ET	/	/	620*812.5*365	620*951.5*365	620*1090.5*365	620*1229.5*365	620*1368.5*365	620*1507.5*365

Inverter

Model	UFox-X-050ES	UFox-X-100ES	UFox-X-150ET
Rated output power	5000W	10000W	15000W
Output surge power	10000W	20000W	30000W
Max. output current	22.7A	45.4A	22.7/phase
Rated output voltage	208/220/230/240Vac±5%		220/380, 230/400, 240/415Vac±5%
Rated frequency	50/60Hz±1%		
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(Auto Adaptive)		
AC Input sources	L+N+PE		L1+L2+L3+N+PE
Max. PV power(Recommended)	5500W	5500W*2	5500W*3
Max PV Input Voltage	450V		
MPPT voltage range	120~430V		
Max charge current(Battery)	80A	160A	240A
Cooling strategy	Fan		
Weight	14kg	28kg	38kg
Dimension [W*H*D]	620*170.5*365mm	620*207*365mm	620*298.5*365mm

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*H*D]	620*139*365 mm

Certificate

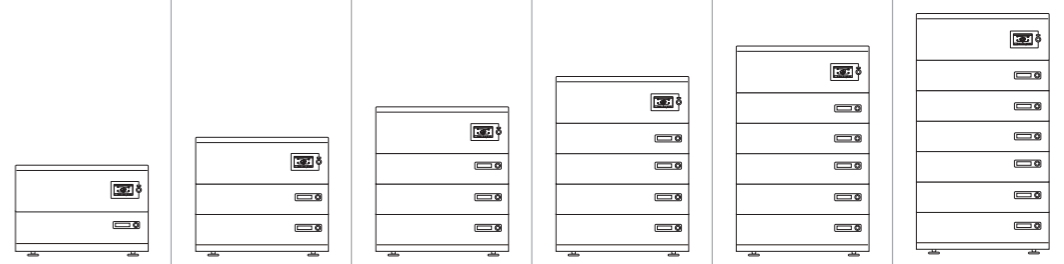
Certificate	CE, TUV, UN38.3, MSDS
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UFox-X-Plus Series Stackable All-in-One ESS



 Easy data check via both LCD touch display or App	 Modular and all in one design, compact and elegant appearance	20ms Less than 20ms UPS-level switching	16.08~96.48kWh Flexible battery capacity expansion
110% 110% PV input Oversizing	0.5C The battery system supports 0.5C discharge.	 Multiple working modes can be set	 Support remote software upgrade (OTA)

System Parameters

System Structure						
Rated Output Power	8000W (1~6 battery modules) / 12400W (2~6 battery modules) / 1000-12000W (2~6 battery modules)					
Number of Battery	1	2	3	4	5	6
Battery Capacity	16.08 kWh	32.16 kWh	48.24 kWh	64.32 kWh	80.4 kWh	96.48 kWh
Operating Temperature	0°C~50°C (Charge) / -10°C~55°C (Discharge)					
Storage Temperature	-15~60°C					
Humidity	20-95%Non-Condensing					
Enclosure Protection Rating	IP20					
Communication	Wi-Fi (Optional)					

Inverter

Model	UFox-X-Plus-080ES	UFox-X-Plus-100ES	UFox-X-Plus-120ES
Rated output power	8000W	10000W	12000W
Output surge power	16000W	20000W	24000W
Max. output current	36.3A	45.4A	54.5A
Rated output voltage	208/220/230/240Vac±5%		
Rated frequency	50/60Hz±3%		
THDv	< 3%		
Output wave	Pure Sine Wave		
Output type	Pluggable connector		
AC input voltage range	APL Mode: 90~280Vac/UPS Mode: 170~280Vac		
AC input frequency	50/60Hz (Auto Adaptive)		
AC Input sources	L+N+PE		
No. of PV Input String	2		
Max. PV power(Recommended)	5500/5500W	5500W/5500W	6600W/6600W
Max. PV Input Voltage	500V		
MPPT voltage range	90~450V		
Max. DC Input Current/String	24A		
Max. DC Short Circuit Current/String	28A		
Max charge current(Battery)	120A	200A	240A
Cooling strategy	Fan		

Battery Module

Rated battery voltage	51.2V
Maximum charge/discharge current	200A
Battery voltage range	44.8~57.6V
Capacity	16.08 kWh
Battery type	Li-ion (LFP)

Certificate

Certificate	CE, UN38.3
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UBird Portable Suitcase Energy Storage System

3.6kW-5.12kWh | 5kW-5.12kWh



Model	UBird-X-PLUS-036E	UBird-X-PLUS-050E
Battery		
Rated voltage	25.6V	51.2V
Voltage range	22.4~28.8V	44.8±57.6V
Capacity	5.12kWh	5.12kWh
Max. Discharge Current	180A	100A
Max. Charge Current (AC+PV)	100A	100A
Cycle Life (25°C, 0.5C)	≥4000 times, 80% Capacity retention	
Battery Type	Li-ion (LFP)	
AC Output(Backup)		
Rated Power	3600W	5000W
Output Voltage	208/220/230/240Vac ± 5%	
Output Frequency	50/60Hz ± 1%	
Max Output Current	17.3A	22.7A
Rated Current	15.7A	21.7A
Output Wave	Pure Sine Wave	
Peak Efficiency (Battery Mode)	> 90%	
Transfer Time	20ms	
Output type	Multi-purpose AC Outletx2	
AC Input		
Input Sources	L+N+PE	
Rated Input Voltage	APL Mode: 90~250Vac/UPS Mode:170~264Vac	APL Mode:154~264Vac/UPS Mode:185~264Vac
Rated Input Voltage	230Vac	
AC input frequency	50/60Hz	
PV Input		
Max PV Input Power	5000W	5500W
Max. PV Input Voltage	500V	450V
MPPT Voltage Range	40~450V	120~430V
Max PV Input current	18A	
Max. DC Short Circuit Current	20A	
General Data		
Range of working temperature	Charge: 0°C~50°C/Discharge: -10°C~55°C	
Optimal working temperature range	20°C~30°C	
Storage temperature	-15°C~60°C	
Humidity	20-95% non-condensing	
Cooling strategy	Fan	
Weight	65kg	68kg
Dimension [W*H*D]	510*528.5*310mm	
Enclosure protection rating	IP43	
Communication	RS485	
Certificate	CE, UN38.3	



Suitcase design, easy to move for power supply



Standard configuration of Solar and AC charging cables

5.12kWh

Integrate Max. 5.12kWh battery, long time power supply

Max. 5kW

Max. 5kw output power supporting various outdoor work equipment



Both PV and grid charge, fast and convenient



Multi-purpose AC outlet, easy to use

1 Hour

At the fastest, it can be fully charged in 1 hour







Multiple protections, safe and reliable

UPC Series 3.6kW Off-Grid Inverter








Model	UPC-3.6KS
Battery	
Rated Voltage	25.6V
Voltage Range	20~30V
Max.Discharge Current	180A
Max.Charge Current	100A
Battery Type	Li-ion (LFP)
AC Output (Backup)	
Rated Power	3600W
Load output interface	2 (One of the outputs can be configured to disconnect under specified conditions.)
Output Voltage	208/220/230/240Vac±5%
Output Frequency	50/60Hz±1%
Max Output Current	17.3A
Rated Current	15.7A
Peak Power	7200W
Over Load Ability	Battery Mode (Battery Max Output Current>400A): 1min@102~110%Load; 10s@110~130%Load; 3s@130~150%Load; 200ms@>150%Load
Output Wave	Pure Sine Wave
Peak Efficiency(Battery Mode)	>92%
Transfer Time	UPS Mode: 10ms/APL Mode: 20ms
AC Input	
Input Sources	L+N+PE
AC Input Voltage Range	APL Mode: 90~250Vac/UPS Mode: 170~264Vac
Rated Input Voltage	208/220/230/240Vac
AC input frequency	50/60Hz (Auto Adaptive)
PV Input	
Max PV Input Power	5000W
Max.PV Input Voltage	500Vdc
MPPT Voltage Range	40~450Vdc
Max. DC Input Current	18A
Max. DC Short Circuit Current	20A
General Data	
Range of working temperature	0°C~50°C (Charge) / -10°C~55°C (Discharge)
Optimal working temperature range	20°C~30°C
Storage temperature	-15°C~60°C
Humidity	20-95% non-condensing
Cooling strategy	Fan
Altitude	≤3000m(3000m derating operation)
Weight	7.4kg
Dimension [W*H*D]	420*290*100mm
Enclosure protection rating	IP20
Communication	Wi-Fi/RS485/CAN
Certificate	IEC62109-1,2
	EN61000-6-1, EN61000-6-3

<p>140%</p> <p>Supports 140% solar power input</p>	<p>24V</p> <p>24V rated battery charging/ discharging voltage</p>	<p>2 Load Output</p> <p>Dual load output interfaces, one of which can be set</p>	<p></p> <p>Allowing access of lead-acid battery and lithium battery</p>
<p></p> <p>When connected to the grid, it can be used without batteries</p>	<p></p> <p>Can be set to feed surplus PV power into the grid</p>	<p>150%</p> <p>Max. 150% back-up output overloading @200ms</p>	<p></p> <p>Support remote software upgrade (OTA)</p>

UPC Series 5kW Off-Grid Inverter



 Touch Screen Design for Easier Operation	<p>18A</p> Supports a maximum PV DC input current of 18A	 Allowing access of lead-acid battery and lithium battery	<p>150%</p> Max. 150% back-up output overloading @200ms
 When connected to the grid, it can be used without batteries	<p>6 Parallel</p> Supports parallel operation of up to 6 units	 Integrated Battery Switch	 Support remote software upgrade (OTA)






Model	UPC-5KSW
Battery	
Rated Voltage	51.2V
Voltage Range	44.8~57.6V
Max. Charge Current	80A
AC Output (Backup)	
Rated Power	5000W
Output Voltage	230Vac
Output Frequency	50/60Hz±0.3Hz
Max Output Current	22.7A
Rated Current	21.7A
Peak Power	10000W
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
Output Wave	Pure Sine Wave
Peak Efficiency(Battery Mode)	> 92%
Transfer Time	UPS Mode: 10ms/APL Mode: 20ms
AC Input	
Input Sources	L+N+PE
AC Input Voltage Range	APL Mode: 154~264Vac/UPS Mode: 185~264Vac
Rated Input Voltage	220/230Vac
AC input frequency	50/60Hz (Auto Adaptive)
PV Input	
Max PV Input Power	5500W
Max. PV Input Voltage	450Vdc
MPPT Voltage Range	120~430Vdc
Max. DC Input Current	18A
Max. DC Short Circuit Current	20A
General Data	
Range of working temperature	0°C~50°C (Charge) / -10°C~55°C (Discharge)
Optimal working temperature range	20°C~30°C
Storage temperature	-15°C~60°C
Humidity	20-95% non-condensing
Cooling strategy	Fan
Altitude	≤3000m(> 3000m derating operation)
Weight	10kg
Dimension [W*H*D]	420*360*120mm
Enclosure protection rating	IP20
Communication	Wi-Fi (Optional)/RS485/CAN
Certificate	IEC62109-1,2
	EN61000-6-1, EN61000-6-3

UPC Series 6.2~12kW Off-Grid Inverter



UPC-6.2KS

UPC-8~12KS

 Touch Screen Design for Easier Operation	 Can be set to feed power to the grid	2 Load Output Dual load output interfaces, one of which can be set	24A Supports a maximum PV DC input current of 22A per String
 When connected to the grid, it can be used without batteries	6 Parallel Supports parallel operation of up to 6 units	 Allowing access of lead-acid battery and lithium battery	 Support remote software upgrade (OTA)

Model	UPC-6.2KSW	UPC-8KSW	UPC-10KSW	UPC-12KSW
Battery				
Rated Voltage	51.2V			
Voltage Range	40~60Vdc±0.6Vdc			
Max. Charge Current	100A	120A	150A	
Maximum Discharge Current	120A	160A	200A	240A
AC Output (Backup)				
No. AC Outputs Rated Power	6200W	8000W	10000W	12000W
Load Output Interface	2 (One of the outputs can be configured to disconnect under specified conditions.)			
Rated Output Voltage	230Vac			
Output Frequency	50/60Hz±0.3Hz			
Max Output Current	28.1A	36.3A	45.4A	54.5A
Rated Current	27A	34.7A	43.4A	52.2A
Peak Power	12400W	16000W	20000W	24000W
Over Load Ability	Battery Mode(Battery Max Output Current>200A): 5min@100~110%Load; 10s@110~135%Load; 5s@>135%Load	Battery Mode(Battery Max Output Current>300A): 5min@102~170%Load; 10s@170~200%Load; 5s@>200%Load	Battery Mode(Battery Max Output Current>300A): 5min@102~130%Load; 10s@130~160%Load; 5s@>160%Load	Battery Mode(Battery Max Output Current>300A): 5min@102~110%Load; 10s@110~130%Load; 5s@>130%Load
Peak Efficiency(Battery Mode)	>93%			
Transfer Time	20ms			
AC Input				
Input Sources	L+N+PE			
AC Input Voltage Range	APL Mode: 90~280Vac/UPS Mode: 170~280Vac			
Rated Input Voltage	220/230Vac			
AC Input Frequency	50/60Hz (Auto Adaptive)			
PV Input				
Max PV Input Power	6600W	5500W/5500W	5500W/5500W	6600W/6600W
Number of Independent MPPT Trackers	1	2		
No. of PV Strings per MPPT Trackers	1	1/1		
Max. PV Input Voltage	500Vdc			
MPPT Voltage Range	120~450Vdc	90~450Vdc		
Max. DC Input Current	24A	24A/24A		
Max. DC Short Circuit Current	28A	28A/28A		
General Data				
Range of Working Temperature	0°C~50°C (Charge) / -10°C~55°C (Discharge)			
Storage Temperature	-15°C~60°C			
Humidity	5-95%non-condensing			
Cooling Strategy	Fan			
Altitude	≤3000m (3000m derating operation)			
Weight	10.8kg	20.75kg		
Dimension [W*H*D]	380*377*112 mm	505*460*134 mm		
Enclosure Protection Rating	IP20			
Communication	Wi-Fi (Optional)/RS485/CAN			
Certification	IEC62109-1,2			
	EN61000-6-1, EN61000-6-3			

EB Series 5.12kWh Low Voltage Battery System



Model	EB-512	EB-512-24
Electrical Parameter		
Battery Type	LiFePO ₄	
Battery Capacity per Kit [Wh]	5.12kWh	
Usable Energy [Wh]	4.6kWh	
Rated Voltage [V]	51.2V	25.6V
Voltage range [V]	44.8V~57.6V	22.4V~28.8V
Max. Charging and Discharging Rate	1C	
Max. Charging and Discharging Current	100A	200A
Depth Of Discharge [DOD]	≤90%	
Cycle Life (25°C ,0.5C)	≥ 6000 times, 80% Capacity retention	
Scalability (Parallel)	Max.16 Parallel	No
General Data		
Communication Mode	RS485/CAN2.0	
Operating Temperature Range	0~50°C (Charge)/-10~55°C (Discharge)	
Storage Temperature Range	-15°C~60°C	
Cooling Method	Natural Convection	
Altitude	≤3000m	
Ambient Humidity	20-95% non-condensing	
Noise[dBA]	<25	
Ingress Protection	IP54	
Dimensions [H*W*D]	500*440*135mm	
Weight	45kg	
Installation Methods	Floor Standing, Wall Mounted, Rack Mounted, Stacked Mounting	



Adapts to multi-brand inverters



Cell-level active equalization

BMS

Multiple electrical protection settings for safer use

4 Ways Mounting

Compatible with 4 types of mounting (floor mount, wall mount, stacked mount, rack mount)

Max. 16 Parallel

Supports parallel use of multiple devices (Limited to EB-512)

100A

Supports a Max. charge/discharge current of 100A

EB-1024 Series Low Voltage Battery System

10.24kWh



Model	EB-1024
Electrical Parameter	
Battery Type	LiFePO ₄
Battery Capacity per Kit [Wh]	10.24kWh
Usable Energy [Wh]	9.2kWh
Rated Voltage [V]	51.2V
Voltage range [V]	44.8V-57.6V
Max. Charging and Discharging Rate	1C
Max. Charging and Discharging Current	200A
Depth Of Discharge [DOD]	≤90%
Cycle Life (25°C ,0.5C)	≥6000 times, 80% Capacity retention
Scalability (Parallel)	Max.16 Parallel
General Data	
Communication Mode	RS485/CAN2.0
Operating Temperature Range	0~50°C (Charge)/-10~55°C (Discharge)
Storage Temperature Range	-15°C~60°C
Cooling Method	Natural Convection
Altitude	≤3000m
Ambient Humidity	20-95% non-condensing
Noise[dBA]	<25
Ingress Protection	IP54
Dimensions [H*W*D]	701*535*165mm
Weight	87kg
Installation Methods	Floor Standing



Adapts to multi-brand inverters



Cell-level active equalization

BMS

Multiple electrical protection settings for safer use



LED screen displays the Battery SOC and working status

Max.16 Parallel

Supports parallel use of multiple devices

200A

Supports a Max. charge/discharge current of 200A




EB-1434/1608 Series Low Voltage Battery System

14.34kWh | 16.08kWh



Note: Only the EB-1434/1608 model is designed with wheels that are easy to move


Model	EB-1434	EB-1608
Electrical Parameter		
Battery Type	LiFePO ₄	
Battery Capacity per Kit [Wh]	14.34kWh	16.08kWh
Usable Energy [Wh]	12.91kWh	14.47kWh
Rated Voltage [V]	51.2V	
Voltage range [V]	44.8V-57.6V	
Max. Charging and Discharging Rate	0.5C	
Max. Charging and Discharging Current	200A	
Depth Of Discharge [DOD]	≤90%	
Cycle Life (25°C ,0.5C)	≥6000 times, 80% Capacity retention	
Scalability (Parallel)	Max.16 Parallel	
General Data		
Communication Mode	RS485/CAN2.0	
Operating Temperature Range	0~50°C (Charge)/-10~55°C (Discharge)	
Storage Temperature Range	-15°C~60°C	
Cooling Method	Natural Convection	
Altitude	≤3000m	
Ambient Humidity	20-95% non-condensing	
Noise[dBA]	<25	
Ingress Protection	IP54	
Dimensions [H*W*D]	845*450*251mm	845*450*251mm
Weight	120kg	120kg
Installation Methods	Floor Standing	


 <p>Adapts to multi-brand inverters</p>	 <p>Cell-level active equalization</p>	<p>BMS</p> <p>Multiple electrical protection settings for safer use</p>
 <p>LED screen displays the Battery SOC and working status</p>	<p>Max.16 Parallel</p> <p>Supports parallel use of multiple devices</p>	<p>200A</p> <p>Supports a Max. charge/discharge current of 200A</p>


ULB-5120 Series Low Voltage Battery System


10.24~40.96kWh


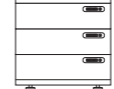

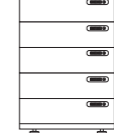

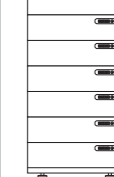
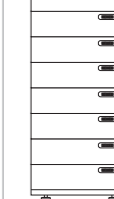


 Support 1C charge and discharge rate.

 Flexible capacity options, 10.24kWh to 40.96kWh

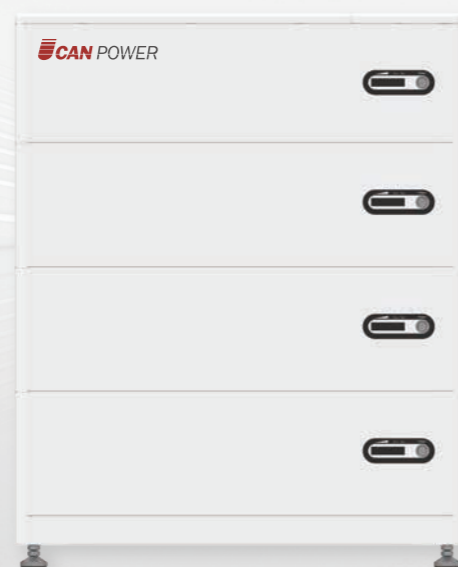
 Easy installation with modular and stacked design


 Remote diagnosis and real-time data monitoring


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. charging and discharging Rate	1C						
Max. charging and discharging current	100A						
Cycle times	≥6000 times, 80% Capacity retention						
Communication	RS485/CAN 2.0						
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit						
Dimension [WxDxH, mm]	620*365*406mm	620*365*545mm	620*365*684mm	620*365*823mm	620*365*962mm	620*365*1101	620*365*1240mm
Weight (kg)	101	148	195	241	288	335	381
Working Conditions							
Installation	Indoor						
Operating temperature	0°C~50°C (Charge) / -10°C~50°C (Discharge)						
Optimum working temperature	20°C~30°C						
Storage temperature	-15°C~60°C						
Humidity	5%~95%						
Cooling strategy	Natural						
Enclosure protection rating	IP20						
Altitude	≤3000m						
Certificate	CE, UN38.3						


ULB-16080 Series Low Voltage Battery System


16.080kWh

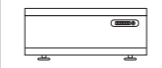
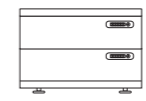
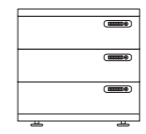
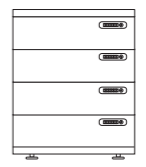
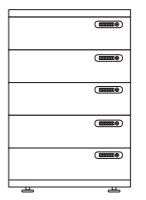
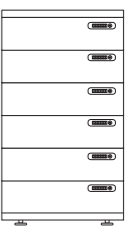


 Support 0.5C charge and discharge rate.

 Flexible capacity options, 16.08kWh to 96.48kWh

 Easy installation with modular and stacked design

 Combined with UCanPower inverters, remote software upgrades can be supported.

Model	ULB-16080					
System Structure						
System Structure						
System Parameters						
Number of battery	1	2	3	4	5	6
Battery capacity (kWh)	16.08	32.16	48.24	64.32	80.4	96.48
Usable energy (kWh)	14.47	28.94	43.41	57.88	72.36	86.83
Rated capacity (Ah)	314					
Rated voltage (V)	51.2					
Voltage range (V)	44.8~57.6					
Max. charging and discharging rate	0.5C					
Max. charging and discharging current	200A					
Cycle times	≥6000 times, 80% Capacity retention					
Communication	RS485/CAN 2.0					
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit					
Working Conditions						
Installation	Indoor					
Operating temperature	0°C~50°C (Charge) / -10°C~55°C (Discharge)					
Optimum working temperature	20°C~30°C					
Storage temperature	-15°C~60°C					
Humidity	20-95% Non-Condensing					
Cooling strategy	Natural					
Enclosure protection rating	IP20					
Altitude	≤3000m					
Certificate	CE, UN38.3					

Automatic Transfer Switch



UCanPower automatic transfer switch is a PC class infrequent change-over switch, with two-station design (commonly used for A and standby for B), suitable for AC systems with Ac 50-60hz and rated current 63A.

The main function of the automatic transfer switch is when the main power (common power supply A fails, the ATS will automatically switch to the backup power (Backup power supply B) to continue working (switching speed <50 milliseconds), which can effectively solve the troubles caused by power outages.

Smart Energy Management System



UCanESS is a smart energy management system developed for residential, commercial and industrial application scenarios. Through UCanESS cloud, users can achieve control and intelligent management of system operation and electricity consumption.

Case grade	UATS/2P63	UATS/4P63
Rated operating current	63A	
Rated insulation voltage	690V	
Rated impulse withstand voltage	8kV	
Rated voltage	AC220V/AC110V	
Rated frequency	50/60Hz	
Class	PC class: can be switched on and loaded without generating short-circuit current	
Pole number	2P	4P
Rated short-circuit current	50kA	
Short circuit protection device	RT16-00-63A	
Rated impulse withstand voltage	8kV	
Control circuit	Rated control voltage Us: AC220V, 50Hz, Normal working conditions: 85%Us-110%Us	
Rated Voltage	AC220V/230V	AC380V/400V
Contactor change-over time	<50ms	
Operation change-over time	<50ms	
Return change-over time	<50ms	
Power off time	<50ms	
Change-over operation time	<50ms	
Mechanical life	>8000 times	
Electrical life	>1500 times	

- Daily & historical figures
- Production and use of solar energy, mains supply, and state of charge of the battery
- Provides you full visibility of the solar system's functionality
- Reduce grid-supplied power and save on electricity costs
- Monitor the load situation in real-time
- Support remote upgrade of targeted or broadcast devices

