

WE ARE A MANUFACTURER







Shenzhen UApow New Energy Technology Co., Ltd. was established in 2014. It is located in Shenzhen, which is the capital of technology and design. The company specializes in the design, development and production of new energy related products.

It is a national high-tech enterprise and an innovative enterprise in Shenzhen. It is a comprehensive new energy storage enterprise. It integrates sales, research and development, and production of energy storage products.

Products include portable outdoor power supplies, household energy storage power supplies, emergency energy storage supplies, and industrial & commercial energy storage systems.

With dozens of patents, it is the first mass-produced naturally cooled power supply in energy storage industry. In 2022, the A+ round of investment was introduced to build several automated production lines in Zhejiang.

The factory has passed the ISO9001 quality management system. In addition, many products have obtained Intertek ETL certificates, CE and other certifications.

The group company has two factories. One is in Pingshan, Shenzhen; the other is in Huzhou Zhejiang. The headquarter in Hangzhou focuses on sales and R&D. Shenzhen Longgang is in charge of marketing. The company is committed to OEM and ODM energy storage solution system services for valuable customers.



INVERTER | MPPT | LED DRIVER | BMS | SWITCH | MD



INVERTER SOLUTIONS | SOLAR SOLUTIONS | LED DRIVER | BATTERY PROTECTION SYSTEM | KEY MODULE | PRODUCT STRUCTURE DESIGN

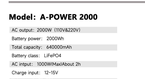




2023 NEW

Model: A-POWER 1000

AC output: 1000W (110V&220V)	
Battery power: 1000Wh	
Total capacity: 320000mAh	
Battery class: LiFePO4	
AC input: 1000W/MaxAbout 1h	
Charge input: 12-15V	
Solar input: 18-24V	
USB1-4: QC3.0 5-12V 18WMax	
Type-C1-2: 100W&22.5W	
Charge output: 12V20A 200WMax	
DC output: 12V20A 200WMax	
LED: 10WMax/On/SOS/flash light/OFF	
Product volume: 447X234X278mm	



2023 NEW

Model: A-POWER 2000

AC output: 2000W (110V&220V)	
Battery power: 2000Wh	
Total capacity: 640000mAh	
Battery class: LiFePO4	
AC input: 1000W/MaxAbout 2h	
Charge input: 12-15V	
Solar input: 12-72V	
USB1-4: QC3.0 5-12V 18WMax	
Type-C1-2: 100W&22.5W	
Charge output: 12V20A 200WMax	
DC output: 12V20A 200WMax	
LED: 10WMax/On/SOS/flash light/OFF	
Product volume: 487*295*278mm	



2023 NEW

Model: X-POWER 1000

AC output: 1500W (110V&220V)	
Battery power: 1000Wh	
Total capacity: 320000mAh	
Battery class: LiFePO4	
AC input: 1000W/MaxAbout 1h	
Charge input: 12-15V	
Solar input: 18-24V	
USB1-4: QC3.0 5-12V 18WMax	
Type-C1-2: 100W&22.5W	
Charge output: 12V20A 200WMax	
DC output: 12V20A 200WMax	
LED: 10WMax/On/SOS/flash light/OFF	
Product volume: 397*257*256mm	



2023 NEW

Model: X-POWER 2000

AC output: 2000W (110V&220V)	
Battery power: 2000Wh	
Total capacity: 640000mAh	
Battery class: LiFePO4	
AC input: 1000W/MaxAbout 2h	
Charge input: 12-15V	
Solar input: 12-72V	
USB1-4: QC3.0 5-12V 18WMax	
Type-C1-2: 100W&22.5W	
Charge output: 12V20A 200WMax	
DC output: 12V20A 200WMax	
LED: 10WMax/On/SOS/flash light/OFF	



Model: BLY2000

AC output: 2000W (110V&220V)	
Battery power: 2000Wh	
Total capacity: 640000mAh	
Battery class: LiFePO4	
AC input: 1000W/MaxAbout 2h	
Charge input: 12-15V	
Solar input: 18-72V	
USB1-4: QC3.0 5-12V 18WMax	
Type-C1-2: 100W&22.5W	
DC output: 12V10A 100WMax	
LED: 5WMax/On/SOS/flash light/OFF	
Product volume: 445X304X320mm	
Weight: 25KG	



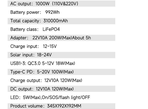
Model: Y2000

AC output: 2000W (110V&220V)	
Battery power: 2000Wh	
Total capacity: 640000mAh	
Battery class: LiFePO4	
AC input: 1000W/MaxAbout 2h	
Charge input: 12-15V	
Solar input: 18-72V	
USB1-4: QC3.0 5-12V 18WMax	
Type-C: 5-20V 100WMax	
Charge output: 12V20A 200WMax	
DC output: 12V20A 200WMax	
LED: 5WMax/On/SOS/flash light/OFF	
Product volume: 202X443X325mm	
Weight: 24KG	



Model: UAF550

AC output: 600W (110V&220V)	
Battery power: 518Wh	
Total capacity: 186000mAh	
Battery class: LiFePO4	
Adapter: 220V/0A 200WMax/About 3h	
Charge input: 12-15V	
Solar input: 18-24V	
USB1-5: QC3.0 5-12V 18WMax	
Type-C PD: 5-20V 100WMax	
Charge output: 12V10A	
DC output: 12V10A	
LED: 5WMax/On/SOS/flash light/OFF	
Product volume: 192X258X179mm	
Weight: 7KG	



Model: UAF1100

AC output: 1000W (110V&220V)	
Battery power: 992Wh	
Total capacity: 310000mAh	
Battery class: LiFePO4	
Adapter: 220V/0A 200WMax/About 5h	
Charge input: 12-15V	
Solar input: 18-24V	
USB1-5: QC3.0 5-12V 18WMax	
Type-C PD: 5-20V 100WMax	
Charge output: 12V10A 100WMax	
DC output: MC4	
LED: 5WMax/On/SOS/flash light/OFF	
Product volume: 345X192X216MM	
Weight: 11KG	



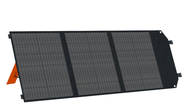
Model: UA551

AC output: 500W (110V&220V)	
Battery power: 500.24Wh	
Total capacity: 135200mAh	
Battery class: 18650	
AC input: 220V/A 100W /MaxAbout 5h	
Charge input: 12-15V	
Solar input: 18-28V	
USB1-2:QC3.0 5-12V 18WMax	
Type-C1-2: 5-20V 60Wâ 5-20V22.5WMax	
Charge output: 12V10A 120WMax	
DC output: 12V10A 100WMax	
LED: 5WMAX/On/SOS/flash light/OFF	
Product volume: 192X218X107mm	
Weight: 6.1KG	



Model: UA1101L

AC output: 1000W (110V&220v)	
Battery power: 1008Wh	
Total capacity: 320000mAh	
Battery class: LiFePO4	
ac input: 220V/0A 200W /MaxAbout 5h	
Charge input: 12-15V	
Solar input: 18-28V	
USB1-2: QC3.0 5-12V 18WMax	
Type-C1-2: 100W&22.5WMax	
Charge output: 12V10A 100WMax	
DC output: 12V10A 100WMax	
LED: 5WMAX/On/SOS/flash light/OFF	
Product volume: 385X192X192mm	
weight: 12.7kg	



Model: UAS100

Unfold size: 1415x655x50mm	
Folding size: 455x435X50mm	
Peak power: 100W±5%	
Voltage: 19.8V	
efficiency: 20-22v	
electricity: 5A	
Dc output: 18V100W	
Output port: MC4	
Temperature: -10℃~+70℃	



Model: UAS200

Unfold size: 2075x685x30mm	
Folding size: 685x573X30MM	
Peak power: 200W±5%	
Open-circuit voltage: 22.95V	
Short-circuit current: 11.56a	
Max. power point voltage: 19.46v	
Max. power point current: 10.57A	
Output port: MC4	
Temperature: -10℃~+65℃	



Model: INV5000



INPUT DATA (PV)

Max PV input power: 10000W	
Max. DC voltage: 550V	
Start-up voltage: 120V	
Rated voltage: 360V	
MPPT working voltage range: 120-550V	
Number of MPPT strings per channel: 2	
Max. input current per MPPT: 13.5A	
Max. short-circuit current per MPPT: 16.5A	

OUTPUT DATA(AC)

Rated power: 5000W	
Max. output power: 10000VA	
Rated voltage range(120V / 130Vac-270Vac)	
Rated frequency range(50Hz / 60Hz	
Max. output current: 15.2A	
Power factor: 0.8 over...0.8 lagging	
THDi: < 3%	
Grid connection type:L+N+PE	

Model: BAT5000

Battery type: LiFePO4	
Capacity: 5KWH	
Discharge depth: 80%	
Voltage: 314.4 V	
Cell certification: UL1642	
Battery pack certification:UN38.3,UL1973,LECA2619	
Max. charge/discharge current: 25A	
Working temperature: -10°C-45°C/14F-113F	
Storage temperature: -10°C-45°C/-22F-140F	
Humidity conditions: 5%-95%	
Installation: Indoor / Outdoor	
Weight: 80kg/176lbs	
Dimension: 905mm×565mm×227mm	





2023 NEW

Model: AP145L

Inverter output	
Battery rated voltage: 48V	
Rated output power(W): 3300	
Peak output power(W): 6600	
Power Factor: 1	
Output voltage waveform: Pure sine wave	
Rated output voltage: 230VAC	
Rated output frequency: 50Hz/60Hz	
Output efficiency: > 92%	
Switching times: 10mS(Typical values)	
Min. starting voltage: 44VDC	
Power-saving mode: load <50W	
Battery	
Battery type: LiFePO4	
Rated voltage: 48V	
Capacity: 62Ah	
Power: 3.0KWh	
Number of battery modules: 1	
Battery lifetime: >10 years	
Max. open circuit voltage: 145V	



2023 NEW

Model: AP145D

Inverter output	
Battery rated voltage: 48V	
Rated output power(W): 3300	
Peak output power(W): 6600	
Power Factor: 1	
Output voltage waveform: Pure sine wave	
Rated output voltage: 230VAC	
Rated output frequency: 50Hz/60Hz	
Output efficiency: > 92%	
Switching times: 10mS(Typical values)	
Min. starting voltage: 44VDC	
Power-saving mode: load <50W	
Battery	
Battery type: LiFePO4	
Rated voltage: 48V	
Capacity: 186Ah	
Power: 9KWh	
Number of battery modules: 3	
Battery lifetime: >10 years	
Max. open circuit voltage: 145V	



Model: MW144

TECHNICAL PARAMETER	
MW-class energy storage system：500kW/1MW	
Output voltage: 380VAC	
Output voltage range: -15%,+15%	
Current harmonic distortion: <3%	
Power factor: >0.9 (adjustable)	
Negative sequence voltage unbalance degree: <1.3%	
BATTERY SYSTEM PARAMETERS	
Nominal energy storage capacity: 1MWh/1.4MWh	
Rated operating voltage: 716.8Vdc	
Recommended operating voltage range: 627.2Vdc-806.4Vdc	
Charge cut-off voltage: single section charge cut-off voltage: 3.6V	
Discharge cut-off voltage: single section discharge cut-off voltage 2.8V	
Working ambient temperature: 10℃~40℃	
Allowable relative humidity: (non-condensing) 10% to 90%	
Allowable altitude: <2000m	