



ANDES 600 PRO

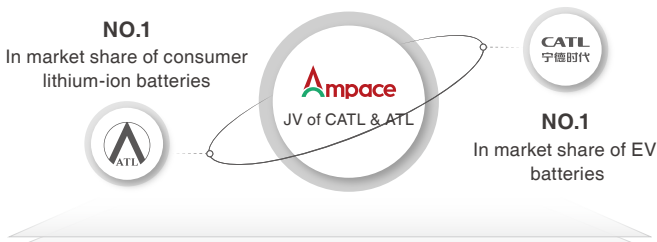
PORTABLE POWER STATION

Leading the Charge

About Ampace




Ampace Technology is a globally renowned innovative new energy technology company that is steadfastly dedicated to providing cutting-edge green energy solutions to over 35 million users across 29 countries, delivering an exceptional and transformative experience. With a strong commitment to the environment and sustainability, our mission is to empower the global transition to green energy, ultimately enabling a better and more sustainable future.



As a joint venture between ATL and CATL, leading consumer-grade lithium battery manufacturer and global pioneer in new energy innovation, Ampace inherits over 20 years of cutting-edge cell technology in the lithium battery industry. With a portfolio of over 900 patents and active involvement in the formulation of 76 industry standards, Ampace has invested over \$215.7 million in research and development in the past four years. Our focus is on providing the latest consumer-oriented energy solutions worldwide, empowering the adoption of a green lifestyle.



Starting from 2022, Ampace applied its best battery cell technology to portable power station products, aiming to integrate cutting-edge energy technologies into a wider range of products. Choosing Ampace means choosing the best battery cells, top-tier performance, and the highest quality and service.

- **UAV**
- **Vacuum Cleaners**
- **Power Tools**
- **Electric Vehicles**
- **Energy Storage**

 **International Awards**



Our R&D Investment

Ampac is committed to substantial investments in lithium-ion batteries, aimed at driving innovation and advancing the industry further.



600+

Top R&D talents

8.4%

R&D Expense Ratio in 2022

\$1 billion+

Manufacturing Investment

\$215.7 million+

Total R&D investment in recent 4 years

Largest Innovation Lab

In Asia

1/1,000,000,000

Battery Cell Failure Rate

900+

Patents

76

Industry Standards Contribution

Andes 600 Pro

Leading the Charge

Experience the Best Technology from the World's Leading Battery Company!



Cutting-Edge Battery Cell Technology

Over 20 years of experience in battery cell technology.



Battery Management System

Self-developed **A-Guard** technology.



Small, Lightweight, and Powerful

584Wh capacity. 80% charge in 1 hour and full 100% charge in 1.5 hours with **A-Boost** technology.



Advanced Portable Power Station Utilizing SiC Material

With impressive inverter efficiency of up to 95%.



Support with a Maximum Output of 1800W with A-Turbo Technology



Setting the Quality Standard in the Battery Industry

Product Information



Capacity
584Wh 15.2V

Cell Chemistry
LiFePO4 Hybrid System

AC Charging Input
550W Maximum

AC Output
600W (1800W Surge)

Input Ports
AC Charging (*1), Solar Panel Charging /Car Socket Charging (*1)

Output Ports
AC (*2), USB-A (*2), USB-C (*2), Car Socket (*1), DC 5521 Output (*2)

Home EPS
20ms

Noise
30 dB (Decibels) in sleep mode

LED light
Flashlight + Mood Light

APP Control
Yes

Net Weight
7.6kg/16.8lbs

Dimensions (W*D*H)
285*209*214mm/11.2*8.2*8.4in

Charging Temperature
-10°C~45°C (14°F~113°F)

Discharging Temperature
-20°C~45°C (-4°F~113°F)

Certification
UL, CE, FCC, PSE, RoHS

Warranty
3 years

Utilizing Cutting-Edge Battery Cell Technology



LiFePO4 Hybrid System

Innovative material design maximizes battery safety and stability by combining olivine and spinel structures.



Olivine Structure

One-dimensional
ion diffusion channel



Spinel Structure

Three-dimensional
lithium-ion diffusion channel

- MTW cell technology, 11.11% higher energy density.
- LIP cell packaging, 20% lighter than equivalent 18650 cells.
- Cold weather resistance, stable charging at -10°C , discharging at -20°C .
- Rigorous 11-step cell production, cell certified by UL 1642, IEC 62133-2, JIS C 62133.

* This data is from Ampacore testing at room temperature of 25°C . It is only for reference, please refer to the actual time of use.

Industry-leading BMS (Battery Management System) ▾

Industry-leading BMS featuring exclusive **A-Guard** technology, supported by our expertise gained from billions of battery cells.



High-precision IC monitoring chips from Texas Instruments (5mV accuracy).



5 built-in NTC temperature sensors (40 measurements per second) for comprehensive monitoring.



Intelligent balancing algorithm extends battery cell lifespan by 50%.

8 safety protections:

- High temperature protection
- Low temperature protection
- Overvoltage protection
- Undervoltage protection
- Overcurrent protection
- Short circuit protection
- Overload protection
- Insulation leakage protection

* The image is a rendered representation. The internal structure may not be fully depicted. Kindly refer to the physical product for complete details.

The World's First Portable Power Station Utilizing SiC Material



Inverter efficiency improved to 95%



20% less heat generation



5% increase in power utilization



Highest temperature reduced by 30°C



- * The above data is based on a comparison with portable power stations of the same capacity under the same conditions.
- * This data is from Ampace testing at room temperature of 25°C. It is only for reference, please refer to the actual time of use.
- * The picture is a render map. Internal structure is not fully displayed, please refer to the actual product.

Small, Lightweight, and Powerful

584Wh capacity. 1 hour to 80%, 1.5 hours to 100% with **A-Boost** technology.
600W (1800W Surge) output supports most appliances. Use it anytime,
anywhere.

Outdoor Camping



3.4H+

Camera(150W)



12.8H+

Car Refrigerator(40W)



Outdoor Photography



12+ Charges

UAV(40WH)



32 Charges

Camera(16WH)



Outdoor Office



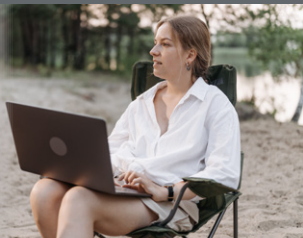
41+ Charges

iPhone 14 Pro



7+ Charges

14 inches Apple Macbook



Household Power Backup



12.8H+

CPAP(40W)



0.82H

Kettle(1000W)



Home EPS: 20ms

Outdoor Party



5.4H

Ice Maker(95W)



4.2H

Sound Equipment(120W)



3 Charging Methods



AC Charging
1.5h



Car Socket Charging
4.8h



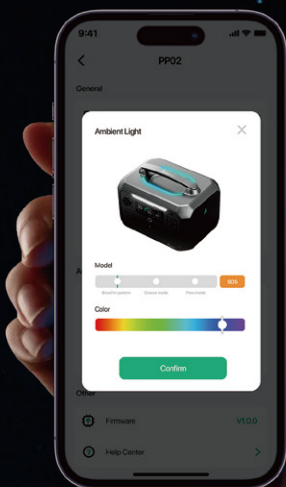
Solar Panel Charging
3.5h

Harness the power of green energy with ease,
Pair Andes 600 Pro with a 200W solar panel.

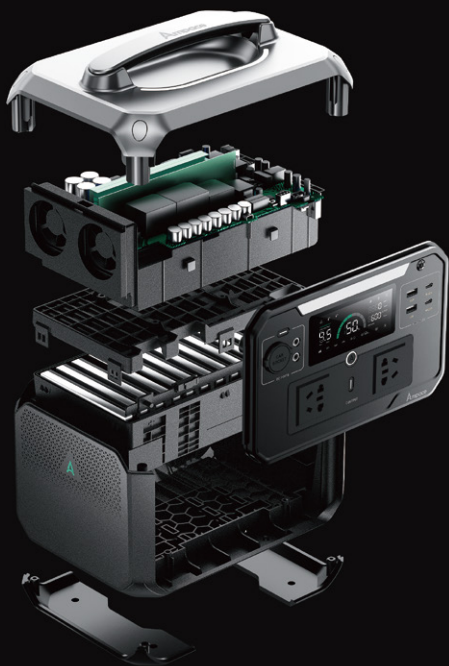
Experience the benefits of Maximum Power Point Tracking (MPPT), an advanced upgrade from traditional solar charge and discharge controllers.

Ampace App: Stay Connected

Bluetooth or Wi-Fi Connection | Real-Time Power Monitoring |
Function Settings | Remote Control | System Updates



Engineered for Sturdiness: High-Strength and Reliable Design



Safety Certifications

- UN38.3
- UL2743
- ISTA



Operational Condition Tests

- Vibration tests for automotive and RV batteries
- Micro-drop tests under operating conditions
- Reliable mechanical plug-in and unplug interface
- Water ingress tests without safety risks

Setting the Standard for Quality Assurance in the Battery Industry



Certified Quality

Ampace holds ISO 9001, ISO 14001, ISO 45001 certifications (March 2023).



Rigorous Testing

Andes 600 Pro underwent 2,882 tests, 1,465 extra compared to traditional energy storage systems.



EMC Certification

World's first portable power station to pass EMC certification independently.



Warranty

Andes 600 Pro includes a 3-year warranty.

Additional Tests: Andes 600 Pro vs Traditional Energy Storage Systems

Category	Number of Test Items (Andes 600 Pro)	Additional Number of Test Items
SW	926	150
APP/WEB	361/476	837
HW	110	81
EMC	129	0
SYS	761	349
Pack	119	48
Total	2882	1465



Sustainable Future



100% Renewable Energy

In 2022, Ampace's Dongguan factory ran on 100% renewable energy for its production processes.



Minimizing Pollution

Ampace lithium batteries reduce reliance on fossil fuels, lower carbon emissions, and support global carbon neutrality efforts.



Environmental Certifications

Our products adhere to environmental principles and hold ISO 45001 and ISO 14001 certifications.



Unite for Sustainable Progress

Join Ampace, drive sustainable development.





Xiamen Ampace Technology Limited

Address: No. 600, Hongtang Road, Tongxianggao New Town, Xiamen

Website: www.ampacepower.com

Email Us: distributors@ampacetech.com