

Portable power station

APS2000

ANNOVA

User instructions and manual



EN

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CE



Anova would like to congratulate you on choosing one of our products and guarantees the assistance and cooperation that have always distinguished our brand over time.

This power station is designed to provide many years of useful service when used in accordance with the instructions in this manual. We recommend that you read all instructions carefully and follow the recommendations on safety, charging, use, maintenance and storage.

For further information or questions, please contact us through our online support channels, such as www.anova.es.

INFORMATION ABOUT THIS MANUAL

Pay attention to the information provided in this manual and on the appliance for your safety and the safety of others.

This manual contains instructions for use, charging, maintenance, storage and disposal.

Keep the manual with the product and hand it over if the product is loaned or resold.

The contents are correct at the time of printing. The right to make changes is reserved without affecting legal responsibilities.

Request a new manual from your distributor if it is lost or damaged.

READ THIS MANUAL CAREFULLY BEFORE USING THE PRODUCT

For best performance, read the operating and safety rules before using the power station.

OTHER WARNINGS:

Incorrect use may damage the product, connected devices or other property.

Adaptation of the product to new technical requirements may result in differences between this manual and the product purchased.

Failure to follow the instructions may result in serious injury, fire, electric shock or battery damage.

CONTENTS

1. SAFETY INSTRUCTIONS	4
2. PRODUCT DESCRIPTION	6
3. TECHNICAL SPECIFICATIONS	9
4. PREPARATION AND COMMISSIONING	11
5. OPERATING INSTRUCTIONS	13
6. MAINTENANCE	15
7. TROUBLESHOOTING	16
8. WARRANTY	17
9. ENVIRONMENT	18
10. EXPLODED VIEW	19
11. CE CERTIFICATE	20

1. SAFETY INSTRUCTIONS

Read and understand all instructions before using the APS2000 portable power station. Failure to follow the instructions may result in serious injury or property damage.



IMPORTANT Fully charge the power station as soon as possible after receiving it. Transport and storage may reduce the charge or leave the battery in sleep mode.

BATTERY REACTIVATION Connect the power station to a wall outlet for 10 minutes to reactivate the battery. If charging does not start after 10 minutes, contact technical support.

NOTE When the AC button is activated, the LCD screen may display power consumption in watts before any equipment is connected. This is a normal response caused by no-load discharge. It is recommended to switch off outputs when they are not in use.

1.1. General warnings

- Do not use the station above its rated power. Overloading may cause fire or injury, even though the equipment incorporates protection.
- Do not use the power station or the wall power adapter if they are damaged or modified. A damaged battery may behave unpredictably and cause fire, explosion or injury.
- Do not subject the product to severe vibration, impact or drops. Secure it during transport. Internal components may be damaged even if the casing shows no visible signs.
- Do not expose the product to moisture, rain or snow. Do not charge, use or store it in bathrooms or areas exposed to water.
- Do not leave the station near children or persons with reduced physical, sensory or mental capabilities, or without experience, unless they are supervised or have received instructions from a person responsible for their safety.
- Do not attempt to repair the power station or the wall power adapter. They contain no user-serviceable components.
- Do not handle the station with wet hands.
- Do not place the station on its side or upside down during use or storage.
- If you notice rust, an unusual smell, overheating or any other abnormal condition, stop using it and contact technical service.
- Supervise children to prevent them from playing with the power station.

1.2. Other safety warnings

- The power station is intended as an emergency power source. It cannot replace the normal AC or DC power supply of household appliances at all times.
- Keep the product away from high-voltage electric fields.
- Risk of fire and burns. Do not open, crush, incinerate or heat the battery above 40 °C.
- Use only power supplies, chargers and cables recommended or marketed for portable batteries.
- If the internal liquid comes into contact with skin or clothing, wash the affected area with water.
- The included accessories must be used only with this station.
- Keep the power station away from pets.

1.3. Battery transport

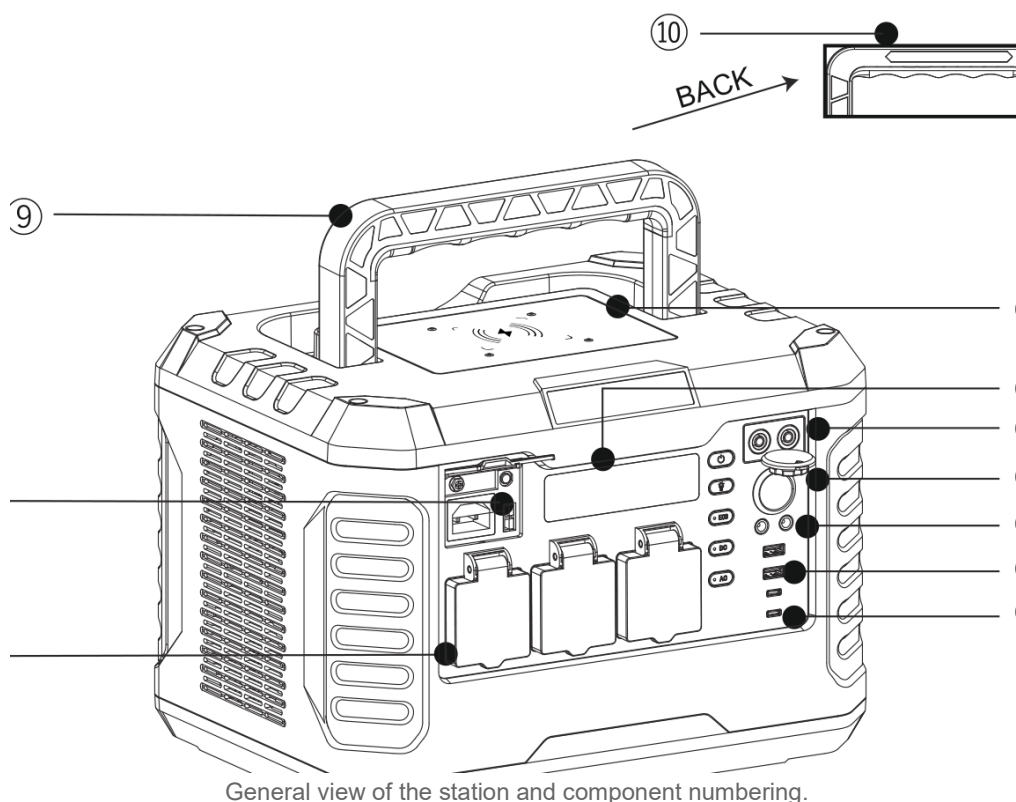
The capacity of the lithium battery pack exceeds 100 Wh. Its transport must comply with the legal requirements applicable to dangerous goods. Air transport requires packaging compliant with IATA regulations, appropriate labelling and declarations.

	CAUTION The manufacturer states that the product is not permitted as baggage on aircraft. Always consult the transport company and current regulations before shipping it.
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	Not permitted on aircraft.		Avoid impacts and drops.
	Use and recharge at least once every three months.		Do not disassemble the product.
	Use original or certified chargers and cables.		It is not waterproof; do not expose it to liquids.
	Avoid extreme temperatures.		Take batteries and electronic equipment to authorised collection points.

2. PRODUCT DESCRIPTION

The APS2000 is a portable power station with a lithium battery, AC and DC outputs, USB ports, wireless charging, integrated lighting and different recharging methods. It must be used within the limits stated in this manual and on the product rating plate.

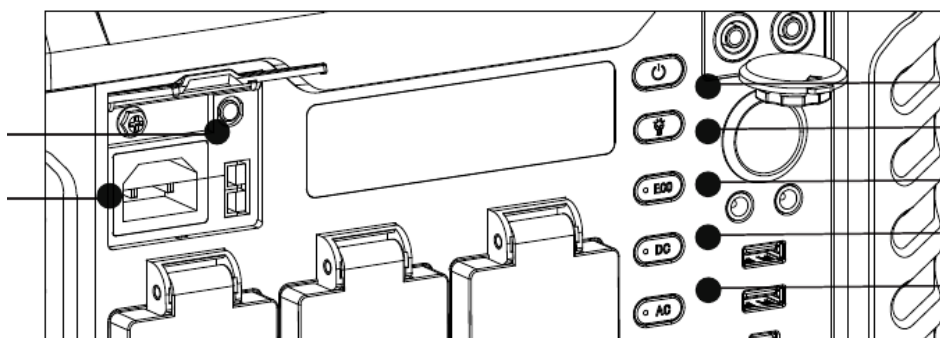


2.1. Main components

No.	Component	Function
1	LCD display	Displays charge, power, times and warnings.
2	AC outlets	Three AC outlets.
3	USB-A ports	Two USB-A outputs.
4	USB-C ports	Two USB-C outputs.
5	Parallel connection port	Connection for the optional parallel operation kit.
6	Cigarette-lighter output	12 V DC output.
7	DC 5525 connectors	Two DC outputs.
8	Wireless charger	Integrated wireless charging surface.
9	Handle	Allows the product to be carried when it is switched off.
10	LED light	Integrated LED lighting.

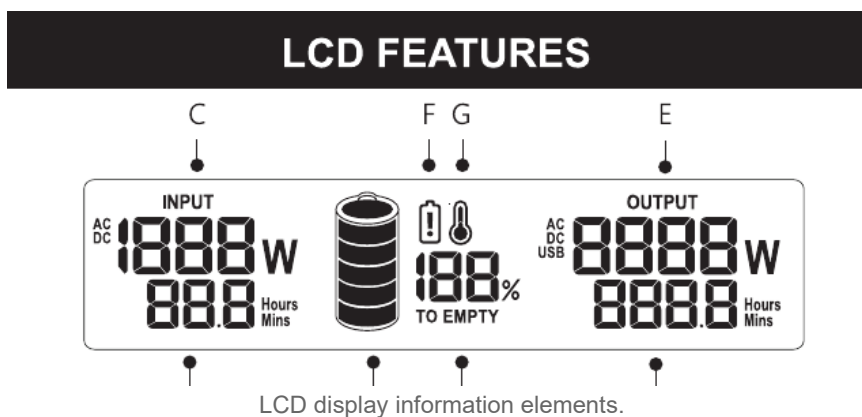
No.	Component	Function
11	Anderson input	Input for solar or vehicle charging.
12	AC input	Input for AC charging.
13	RESET button	Resets the station after certain protection events.
14	Main ON/OFF button	Main switch for the station.
15	Lighting / SOS button	Controls the LED light and SOS mode.
16	ECO button	Activates or deactivates energy-saving mode.
17	DC/USB output button	Activates or deactivates the DC and USB outputs.
18	AC output button	Activates or deactivates the AC outlets.

2.2. Control panel



Details of the panel buttons, inputs and outputs.

2.3. LCD display



Letter	Indicator	Meaning
A	Battery level	Available charge percentage and bars.
B	Remaining charging time	Estimate in hours and minutes.
C	Input power	Input energy expressed in watts.
D	Remaining operating time	Estimated runtime in hours and minutes.
E	Output power	Total power supplied by the active outputs.
F	Low-voltage warning	Indicates that the station must be recharged.
G	Temperature warning	The battery is outside the operating range; input and output functions stop until a suitable temperature is restored.
H	Low-battery alarm	The TO EMPTY indicator shows a charge level below 20%.

The battery level is displayed as a percentage and charge bars. The value may readjust several times when the consumption of connected devices changes, especially when an output is first activated with equipment connected.

Recharge the power station when the battery level is below 20%. When a charging source, such as a solar panel or wall outlet, is connected for the first time, the circuit may need a few minutes to detect the input and begin receiving power.

The screen shows the remaining charging time, input power, remaining operating time and total output power from the DC, USB and AC connectors. When the AC output is activated, the AC indicator lights up. In parallel mode, the AC indicator flashes once per second.

If the low-voltage warning lights up, recharge the power station. If the temperature indicator lights up, all input and output functions stop until the battery returns to the operating range. The TO EMPTY warning indicates a charge below 20%.

3. TECHNICAL SPECIFICATIONS

Group	Characteristic	Value
Product	Commercial model	APS2000
Battery	Type	Lithium battery
Battery	Capacity	1799 Wh (44.4 V; 40.5 Ah)
Assembly	Dimensions	350 x 265 x 240 mm
Assembly	Approximate weight	14.8 kg
Temperature	Charging	0 a 40 °C
Temperature	Discharging	-10 a 40 °C
Input	Alternating current	1000 W maximum
Input	Solar / Anderson	12–60 V DC; 800 W maximum
Output	Alternating current	3 x 2000 W; 4000 W surge
Output	Cigarette-lighter type	1 x 12 V / 10 A
Output	DC 5525	2 x 12 V / 10 A; stated total: 120 W
Output	USB-A	2 x 5 V/3.4 A; 9 V/2 A; 12 V/1.5 A; 36 W maximum total
Output	USB-C	2 x 5 V/3 A; 9 V/3 A; 12 V/3 A; 15 V/3 A; 20 V/3 A; 120 W maximum total
Output	Wireless charging	1 x 10 W
Lighting	LED light / SOS	1 W

3.1. Included accessories

- AC power cable. •
- User manual.



NOTICE Check that the input cable meets the specified requirements. Charge the power station only with the supplied AC power cable.

3.2. Regional AC outlet configurations

The power station is offered with different AC outlet types depending on the country. Always check the product rating plate and commercial version before connecting equipment.

Country	Voltage / frequency	Outlet	Country	Voltage / frequency	Outlet
America	120 V, 60 Hz		Japan	100 V, 50/60 Hz	
Australia	240 V, 50 Hz		Korea	220 V, 60 Hz	
Brazil	127 V, 60 Hz		Philippines	220 V, 60 Hz	
Chile	220 V, 50 Hz		Switzerland	230 V, 50 Hz	
China	220 V, 50 Hz		South Africa	220 V, 50 Hz	
France	230 V, 50 Hz		United Kingdom	230 V, 50 Hz	
Germany	230 V, 50 Hz		Universal	Not specified	
Israel	220 V, 50 Hz		Vietnam	220 V, 50 Hz	

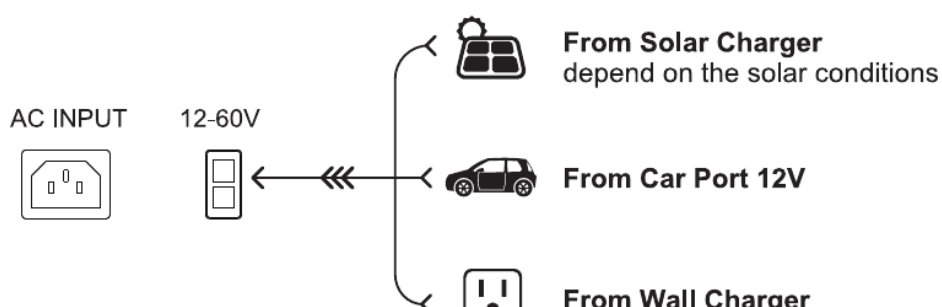
4. PREPARATION AND COMMISSIONING

4.1. Initial charge

1. Place the station on a firm, dry and stable surface.
2. Check that the casing, inputs, outputs and charging cable are not damaged.
3. Connect the supplied AC cable to a suitable outlet.
4. Fully charge the station before first use.

4.2. Charging methods

HOW TO CHARGE



Source	Connection	Notes
Solar panel	Anderson input 12–60 V	Up to 800 W; performance depends on solar conditions.
Vehicle outlet	Anderson input / 12 V	Use a cable compatible with the station input.
Wall outlet	AC input	Stated maximum input power: 1000 W.



RECOMMENDATION Disconnect the station when it reaches 100% charge. If charging does not start, check the RESET button and the condition of the input cable.

QUIET AC CHARGING MODE

To charge the power station with reduced noise at night, follow these steps:

1. Switch on the power station and make sure that the AC output and ECO function are disabled (the button indicators must be off).
2. Press and hold the AC and ECO buttons simultaneously for 2 seconds. The LCD screen will display the current AC charging power.
3. Briefly press the AC button to select a charging power of 1000 W or 300 W.
4. Press the ECO button to confirm.

NOTICES

- After each restart, the AC charging power will automatically return to the default setting.
- With the default charging power setting, actual power may be reduced if the battery temperature or state of charge (SOC) is high, in order to protect the battery and ensure safe operation.

4.3. Powering devices while charging

Select the required output and press the corresponding button. The ports do not operate until they are activated. When an output is active, the button indicator lights up and the LCD screen shows the supplied power.

The battery management system allows devices to be powered through the DC, USB and AC outputs while the power station is charging.



OVERLOAD If an overload occurs, the power station automatically disconnects the affected output. The screen may remain on. Disconnect the load, check the power and restart the output.

5. OPERATING INSTRUCTIONS

13:  RESET

14:  ON/OFF

15:  Lighting

16:  ECO

17:  DC/USB

18:  AC

5.1. RESET button

Press RESET to restart the power station after an overload condition, once the cause has been corrected.

5.2. Main ON/OFF button

Acts as the main switch. Press it to activate the DC, AC and ECO controls.

5.3. LED lighting and SOS

Press once to switch on the LED light and press again to switch it off. Press and hold the button for more than 3 seconds to activate SOS mode.

5.4. ECO mode

ECO mode is activated by default when the power station is switched on. If the outputs are not used, the power station switches off automatically after 1 hour. Press ECO to disable the function.

5.5. DC/USB outputs

The DC and USB connectors do not operate until the DC/USB ON/OFF button is pressed.

5.6. AC outputs

The AC outlets do not operate until the AC OUTLET ON/OFF button is pressed.

5.7. Wireless charging

Switch on the station before placing a compatible device on the wireless charging surface. Switch off the main output when finished.

5.8. EPS mode

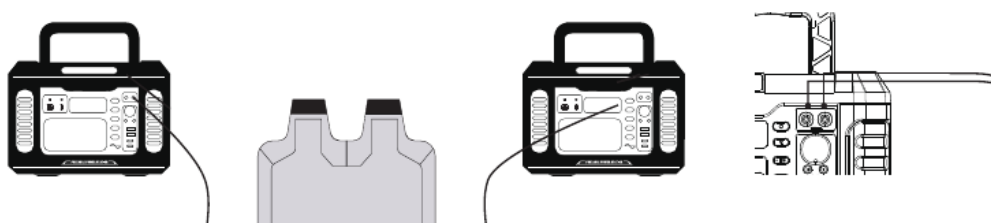


Operation specified for EPS mode.

When the AC charging cable is connected to the mains and equipment is powered from the power station with the AC output active, the battery is not consumed. If the mains supply is interrupted, power automatically switches to the battery in approximately 10 ms.

- EPS mode does not operate when two stations are connected in parallel.
- It operates only with the AC output activated.
- During simultaneous charging and use, power is supplied directly from the AC input.

5.9. Parallel connection kit (optional)



Connection of two stations using the optional kit.

1. Connect the kit cables separately to two stations of the same model.
2. Hold both AC output buttons for 3 seconds until the indicator flashes, then press again to confirm.
3. If the connection is completed, the AC icon on the display flashes. If it remains steadily lit, the station is in normal mode and not in parallel mode.



IMPORTANT Connect positive to positive and negative to negative. The red part of the DC connector is positive and the black part is negative. The power of each power station is displayed separately. Use only the connection box specified by the manufacturer.

5.10. Charging the station

During charging, the display shows the battery level. The station is fully charged when it indicates 100%. The manufacturer recommends performing a full charge approximately every 3 months to preserve the battery.

6. MAINTENANCE

6.1. General maintenance

- Recharge the station when necessary and avoid fully discharging the battery to 0%.
- Periodically inspect the inputs, outputs, chargers and cables for dirt, damage or corrosion.
- Do not attempt to repair connectors or internal components.
- Do not cover the station with towels, clothing or other objects.
- Keep the side vents free of dust and dirt.

6.2. Cleaning

5. Disconnect all input sources and all output devices.
6. Clean the casing with a clean, dry, soft and lint-free cloth.
7. Remove dirt from the vents without allowing it to enter the interior.
8. Do not use abrasive cleaners, solvents or compressed air.
9. Do not use metal objects to clean the ports because of the risk of electric shock.

6.3. Storage

- If it is to be stored for more than 1 month, fully charge it before storage.
- Recharge approximately every 3 months to prevent deep discharge and possible damage.
- Store indoors in a cool place with moderate humidity and away from direct sunlight.
- Do not leave it in vehicles or enclosed spaces exposed to very high temperatures.
- Extremely low temperatures may reduce performance and service life.
- Keep it away from chemicals and corrosive gases.
- Before using it again, inspect the unit, accessories and vents and allow it to reach a safe ambient temperature.

7. TROUBLESHOOTING

Indicator	Symptom	Solution
E06	AC output deactivated	Press the main ON/OFF button to reset.
E31	DC output overload protection	Press the main ON/OFF button to reset.
E07 / E08 / E09 / E10	Output overload protection	Connect or power only devices within the rated power and press the corresponding button to restart.
	WARNING If these solutions do not work or a different code appears, stop using the station, note the code and contact technical service.	

Problem	Check / action	Notes
No charging	Check that the cable is fully inserted into the input and the wall outlet.	Check the connection.
No charging	Check whether the adapter indicator is lit.	If it remains off, contact technical service.
No charging	The charging indicator is lit, but the battery level does not increase.	Contact technical service.
No output	Activate the DC/USB/AC ports using the corresponding button.	The power will appear on the screen.
No output	Check that the cables are correctly inserted.	Check the connection.
No output	Check the battery level.	A low battery may limit the outputs.
No output	Check whether the display indicates an overload.	An overload disconnects the outputs.
Sudden interruption	The device power exceeds the rated power.	Connect only equipment within the specified limits.
Sudden interruption	The output power has remained very low for several hours.	ECO mode may switch off the station automatically; deactivate it if you do not want this function.
Sudden interruption	Overcurrent, temperature or overload protection has been activated.	Wait until the station returns to normal conditions and press ON/OFF.

8. WARRANTY

If your product has a manufacturing defect during the established warranty period, contact your point of sale directly and provide the required documentation.

Keep the invoice as proof of the purchase date. The product must be returned to the distributor in an acceptable and clean condition, together with the corresponding proof of purchase.

8.1. Warranty period

The statutory warranty period begins on the original date of purchase by the first purchaser and lasts for the period established by the applicable regulations at the time of purchase.

8.2. Exclusions

- Natural wear from use.
- Misuse, negligence, careless operation or lack of maintenance.
- Work carried out by unauthorised personnel or use of non-original spare parts.
- Damage resulting from accidents, alterations, overload or use outside the specifications.
- Use of unsuitable chargers, cables, accessories or power supplies.
- Damage caused by water, chemicals, impacts, extreme temperatures or incorrect storage.
- Products whose trademark or serial number has been altered or removed.

8.3. In the event of a problem

The claim must be accompanied by the invoice and the information required to identify the product. Warranty service is provided through official Anova distributors. You can find the nearest distributor at www.anova.es.

9. ENVIRONMENT

Dispose of the product, battery, accessories and packaging responsibly. Do not dispose of the station or its electrical components with household waste.

9.1. Lithium battery and electrical components

Take the battery and electronic components to authorised collection points in accordance with local regulations. Do not open, puncture, incinerate or abandon the battery.

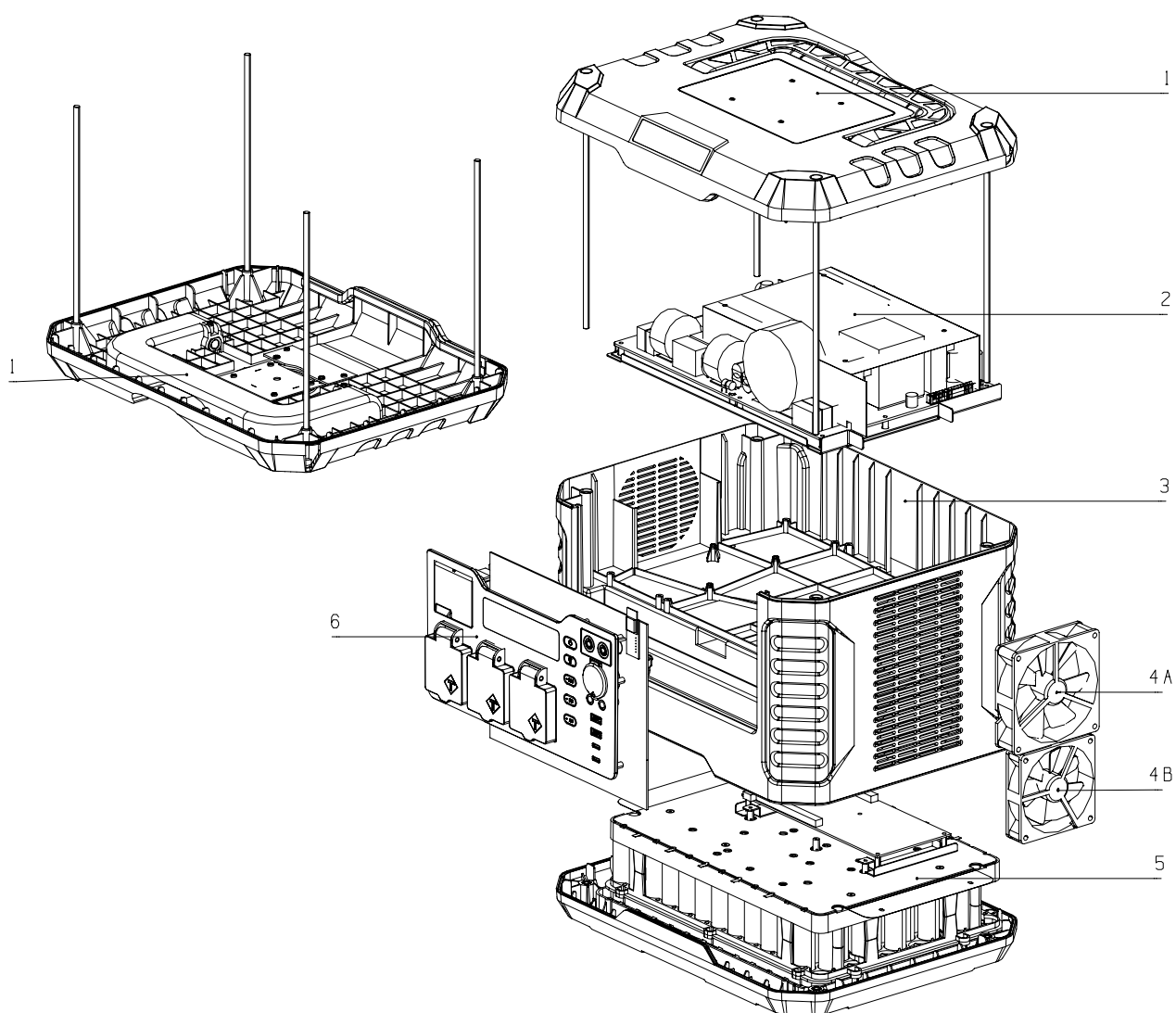
9.2. Plastics and metals

Separate plastic and metal components where possible and take them to suitable recycling facilities.

9.3. Packaging

Separate clean, dry cardboard and other packaging materials for recycling.

10. EXPLODED VIEW



1. CE CERTIFICATE

DISTRIBUTING COMPANY

MILLASUR, S.L.U

RUA EDUARDO PONDAL, Nº 23 P.I.SIGÜEIRO

15688 OROSO - A CORUÑA

SPAIN



CE DECLARATION OF CONFORMITY

In accordance with the various CE directives, it is hereby confirmed that, by virtue of its design and construction and the CE marking affixed by the manufacturer, the machine identified in this document complies with the relevant essential health and safety requirements of the aforementioned CE directives. This declaration authorises the product to bear the CE marking.

If the machine is modified and the modification is not approved by the manufacturer and communicated to the distributor, this declaration shall cease to be valid.

Machine designation: **POWER STATION**

Model: **APS2000**

Recognised and approved directives with which it complies:

Directive 2014/35/EU (Low Voltage)

Directive 2014/30/EU (Electromagnetic Compatibility)

Directive 2011/65/EU and amendment 2015/863/EU (RoHS)

Tested in accordance with the following standards:

EN IEC 62368-1:2020+A11:2020

EN IEC 61000-6-3:2021; EN IEC 61000-6-1:2019

EN IEC 61000-3-2:2019+A1:2021

EN 61000-3-3:2013+A1:2019+A2:2021

IEC 62321-3-1:2013; IEC 62321-4:2013+AMD1:2017; IEC 62321-5:2013

IEC 62321-7-1:2015; IEC 62321-7-2:2017; IEC 62321-6:2015; IEC 62321-8:2017

Company stamp

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