

Portable power station

APS1000

ANNOVA®

User instructions and manual



EN

Millasur S.L.U.
Rúa Eduardo Pondal, nº 23 - Pol. Ind. Sigüeiro
15688 - Oroso - A Coruña - 981 696 465 - www.millasur.com





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	10
5. OPERATING INSTRUCTIONS	11
6. MAINTENANCE	13
7. TROUBLESHOOTING	14
8. WARRANTY	15
9. ENVIRONMENT	16
10. EXPLODED VIEW	17
11. CE CERTIFICATE	18

1. SAFETY INSTRUCTIONS

Read and understand all instructions before using the APS1000 portable power station. Incorrect use may result in serious injury, property damage, fire, explosion or electric shock.



IMPORTANT Fully charge the station as soon as possible after receiving it. Transport and storage time may reduce the charge or leave the battery in sleep mode. Connect it to a wall outlet for 10 minutes to reactivate the battery. If charging does not start, contact technical service.



NOTE When the AC output is activated, the display may show a small power draw even when no equipment is connected. The supplier identifies this behaviour as no-load discharge. 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 station or wall power cable 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, snow or liquids. Do not charge, use or store it in bathrooms or areas exposed to water.
- 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.
- Do not attempt to repair or disassemble the station or power cable. It contains no user-serviceable components.
- Keep the product away from high-voltage electric fields.
- Do not open, crush, incinerate or heat the battery above 40 °C.
- Use only original or certified chargers and cables recommended for the product.
- 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 product away from pets.

1.2. Children and persons with reduced capabilities

- 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.
- Supervise children to prevent them from playing with the product.

1.3. Battery transport

The lithium battery pack capacity exceeds 100 Wh. The manufacturer states that its transport must comply with the applicable legal requirements for dangerous goods. Air transport requires packaging in accordance with IATA rules, labelling and the corresponding declarations.

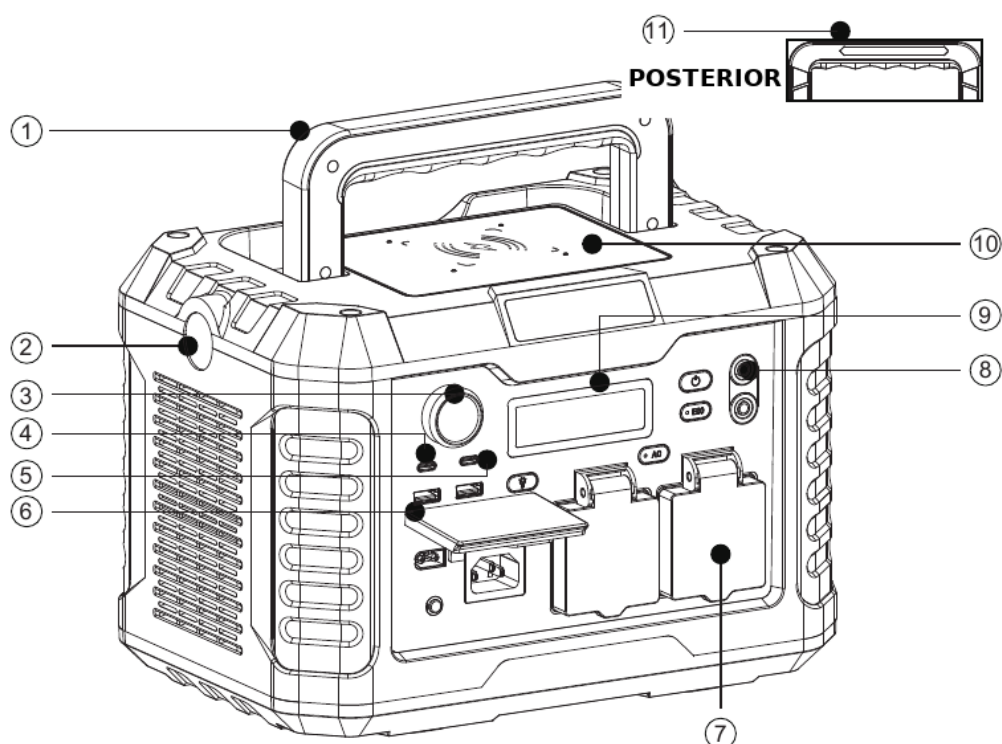


CAUTION The manufacturer states that the product is not permitted as baggage on aircraft. Always consult the transport company and current regulations before shipping it.

	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 APS1000 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.



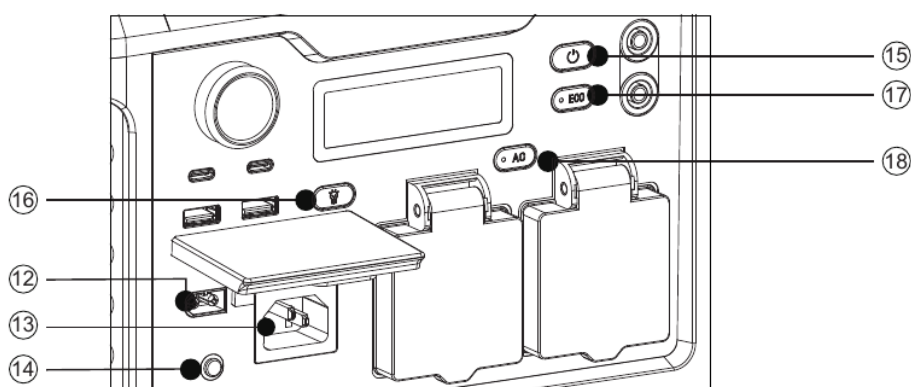
General view of the station and component numbering.

2.1. Main components

No.	Component	Function
1	Handle	Allows the product to be carried when it is switched off.
2	Flashlight	Integrated front lighting.
3	Cigarette-lighter output	12 V / 10 A output.
4	USB-C port (2)	USB-C input and output, up to 100 W.
5	USB-C port (1)	USB-C output, up to 60 W.
6	USB-A ports	Two USB-A outputs, maximum total power 36 W.
7	AC outlets	Two outputs up to 1000 W; stated total surge power 2000 W.
8	Parallel connection port	Connection for the optional parallel operation kit.
9	LCD display	Displays charge, power, times and warnings.
10	Wireless charger	10 W wireless charging surface.
11	LED light	Integrated LED lighting.
12	Solar input	12-28 V input, 200 W maximum.
13	AC input	Charging input, 500 W maximum.

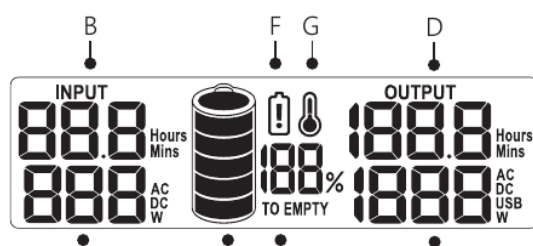
No.	Component	Function
14	RESET button	Resets the station after certain protection events.
15	Main ON/OFF button	Main switch for the station.
16	Lighting button	Controls the flashlight, LED light and SOS mode.
17	ECO button	Activates or deactivates energy-saving mode.
18	AC output button	Activates or deactivates the AC outlets.

2.2. Control panel



Details of the panel buttons, inputs and outputs.

2.3. LCD display



LCD display information elements.

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.

Letter	Indicator	Meaning
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 estimate may vary when the power consumption of connected devices changes. When a charging source is connected for the first time, the station may need a few minutes to detect the input and adjust the charging circuit.

3. TECHNICAL SPECIFICATIONS

Group	Characteristic	Value
Product	Commercial model	APS1000
Battery	Type	Lithium battery
Battery	Capacity	808 Wh (22,2 V; 36,4 Ah)
Assembly	Dimensions	290 x 201 x 200 mm
Assembly	Approximate weight	8,4 kg
Temperature	Charging	0 a 40 °C
Temperature	Discharging	-10 a 40 °C
Input	Alternating current	500 W maximum
Input	Solar	12-28 V, 200 W maximum
Input / output	USB-C (2)	5-20 V, 100 W maximum
Output	Alternating current	2 x 1000 W; 2000 W surge
Output	Cigarette-lighter type	1 x 12 V / 10 A
Output	USB-A	2 x 5 V/3 A, 9 V/2 A, 12 V/1.5 A; 36 W maximum total
Output	USB-C (1)	5 V/3 A, 9 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/3 A; 60 W maximum
Output	USB-C (2)	5 V/3 A, 9 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/5 A; 100 W maximum
Output	Wireless charging	10 W
Lighting	Flashlight / SOS	1 W
Lighting	LED light	1 W



WARNING Use the supplied AC charging cable. According to the manufacturer's recommendation, the solar panel cable must not exceed 3 m. Check that the cable and connector meet the input specifications.

3.1. Regional AC outlet configurations

The manufacturer offers different outlet and voltage configurations depending on the country. Always check the product rating plate and commercial version before connecting equipment.

Country	Voltage / frequency	Country	Voltage / frequency
America	120 V, 60 Hz 	Japan	100 V, 50/60 Hz 

Country	Voltage / frequency	Country	Voltage / frequency
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. Keep it connected for at least 10 minutes if the battery is in sleep mode.
5. Fully charge the station before first use.

4.2. Charging methods

Source	Connection	Notes
Solar panel	Solar input 12-28 V	Up to 200 W; performance depends on solar conditions.
Vehicle outlet	12 V input	Use a cable compatible with the station input.
Wall outlet	AC input 100-240 V	Stated maximum input power: 500 W.
USB-C PD	USB-C port (2)	Input up to 100 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.

4.3. Checks before use

- Battery level sufficient for the intended use.
- Side vents clean and unobstructed.
- Cables and connectors in good condition and correctly inserted.
- Equipment power compatible with the station outputs.
- Product positioned upright, dry and away from heat sources.

5. OPERATING INSTRUCTIONS

5.1. Main ON/OFF button

The ON/OFF button acts as the main switch. Press it to activate the station and enable the AC, DC/USB and ECO output controls. Switch off any outputs that are not in use.

5.2. RESET button

Press RESET to restart the station after a protection event or overload condition, once the cause has been corrected.

5.3. Lighting, flashlight and SOS

Press the lighting button once to turn on the flashlight and press it again to activate the LED light. Hold the button for more than 2 seconds to activate SOS mode.

5.4. ECO mode

ECO mode is activated by default when the station is switched on. If the output ports are not used, the station switches off automatically after 1 hour to save energy. Press ECO to deactivate the function; you must reactivate it manually when required.

5.5. AC outputs

The AC outlets do not operate until the AC OUTLET ON/OFF button is pressed. When the output is active, the corresponding indicator lights up. Switch off the output when finished.

5.6. Wireless charging

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

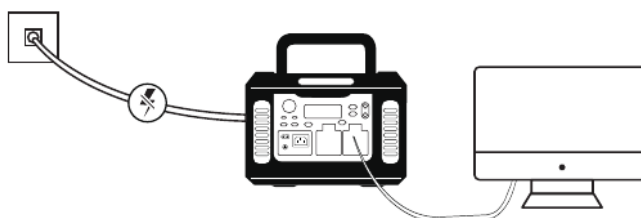
5.7. Powering devices and simultaneous charging

Select the required output and activate the corresponding button. The LCD display turns on and shows power information. The battery management system allows devices to be powered through the DC, USB and AC outputs while the station is charging.



OVERLOAD If an overload occurs, the station automatically disconnects the affected output. The display may remain on and unaffected DC outputs may retain their status. Disconnect the load, check the power and restart the output.

5.8. EPS mode

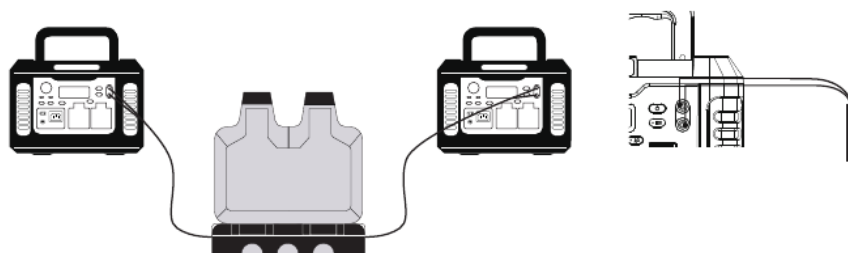


Operation specified for EPS mode.

When the AC charging cable is connected to the mains and equipment is powered from the station with the AC output active, power comes directly from the input. If the mains supply is interrupted, the supplier states that the power supply 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 comes directly from the AC input while mains power is available.

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 total power of each station is displayed separately. Use only the parallel 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

1. Disconnect all input sources and all output devices.
2. Clean the casing with a clean, dry, soft and lint-free cloth.
3. Remove dirt from the vents without allowing it to enter the interior.
4. Do not use abrasive cleaners, solvents or compressed air.
5. 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 devices within the rated power and press the corresponding output button to reset.



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 output power will appear on the display.
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 of the product.	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.

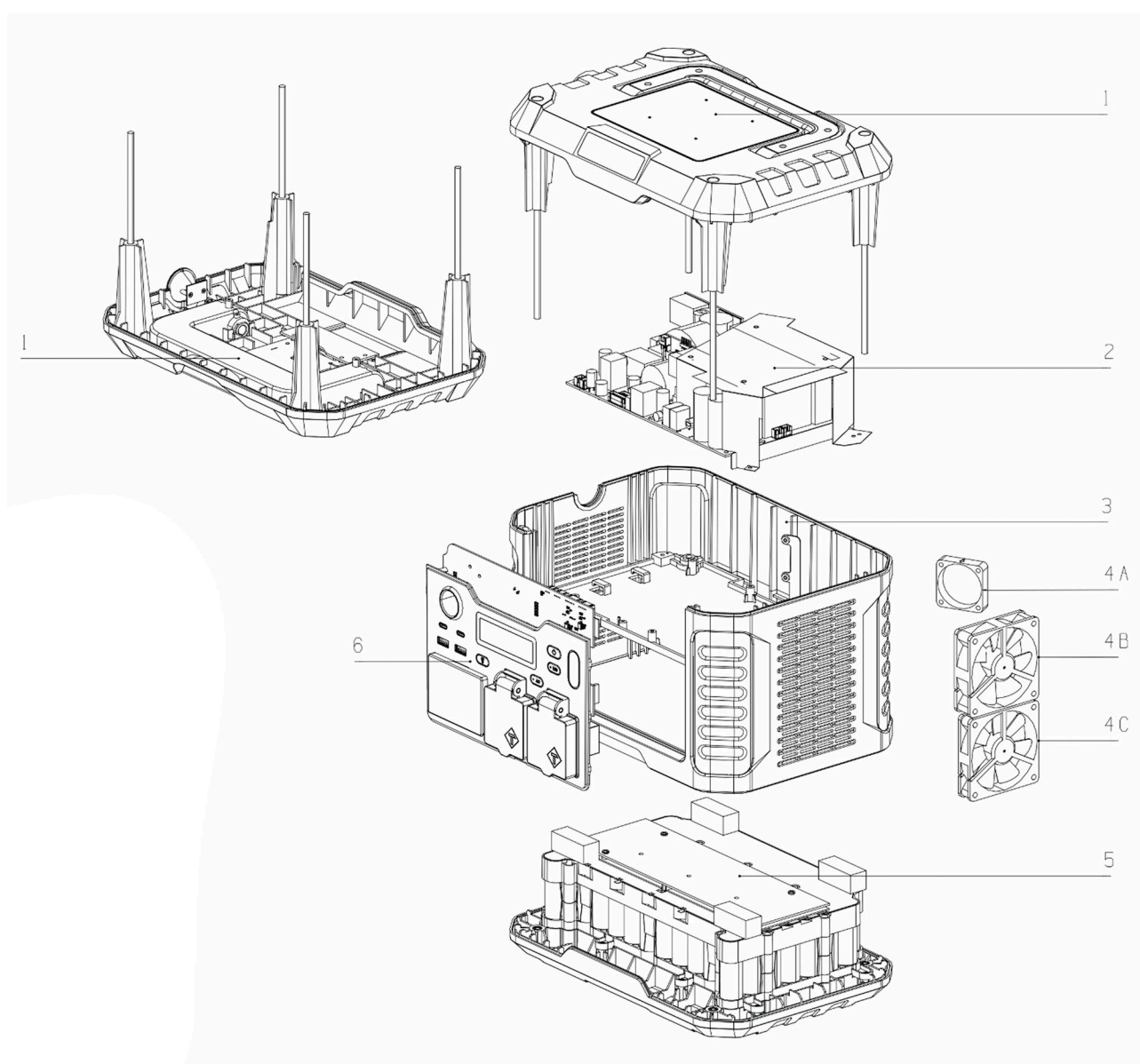
9.2. Plastics and metals

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: **APS1000**

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 62368-1:2014+A11

EN IEC 61000-6-4:2019; EN IEC 61000-6-2:2019

EN IEC 61000-3-2:2019+A1:2021+A2:2024

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

MILLASUR, S.L.U.
Rúa Eduardo Pondal, 23 - Pol. Emp. Sigüeiro
15688-Oroso-A Coruña
Tel. (+34) 981 69 64 65 - Fax (+34) 981 69 08 61
e-mail: millasur@millasur.com
CIF: B-15 749 922

DATE
29/07/2026