

AirSep
External Power Cartridge
& Charger



Instructions for Use

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Important!

Safety Instructions are defined as follows:




WARNING: Describes a hazard or unsafe practice that if not avoided can result in severe bodily injury, death or property damage.



CAUTION: Describes a hazard or unsafe practice that if not avoided can result in minor bodily injury or property damage.



Note: Information needing special attention.

 **WARNING:** Electrical shock hazard. Turn OFF the unit and disconnect the power cord from the electrical outlet before you clean the unit to prevent accidental electrical shock and burn hazard. Only your Equipment Provider or a qualified service technician should remove the covers or service the unit.

WARNING: Care should be taken to prevent the external battery charger, power supply, and external power cartridge from getting wet or allowing fluids to enter the unit(s). This can cause a malfunction or shut down, and cause an increased risk for electrical shock or burns.

WARNING: Use only electrical voltage specified on the specification label affixed to the device.


WARNING: Do not use extension cords with this unit or connect too many plugs into the same electrical outlet. The use of extension cords could adversely affect the performance of the device. Too many plugs into one outlet can result in an overload to the electrical panel causing the breaker/fuse to activate or fire if the breaker or fuse fails to operate.

WARNING: Incorrect use of the External Power Cartridge can cause the External Power Cartridge to get hot, ignite, and can cause serious injury. Be sure not to pierce, strike, step on, or drop the External Power Cartridge, or otherwise subject the External Power Cartridge to strong impacts or shocks.

WARNING: The use of a damaged external power cartridge may cause personal injury. DO NOT expose the external power cartridge to fire or dispose of in a fire. This may cause the battery to explode and cause potential injury.

WARNING: DO NOT short-circuit the external power cartridge's metal contacts with metallic objects, such as keys or coins. This may cause sparks or excessive heat to be generated.

WARNING: There are no user-serviceable parts. Do not open External Power Cartridge, charger, or power supply. **Only your Equipment Provider or qualified technician should service the unit.**

 **CAUTION:** ONLY USE the Manufacturer's provided external power cartridge and accessories. For proper disposal, contact your Equipment Provider or your local government agency for disposal requirements. The external power cartridge must not be incinerated.

CAUTION: Use only the external charger to charge the External Power Cartridge.

CAUTION: Use only the universal power supply supplied with the external power charger to connect it to AC power.

CAUTION: Failure to follow these instructions may result in damage to your external power cartridge, external charger or power supply and can result in severe bodily injury or property damage.



NOTE: To prevent a void warranty, follow all manufacturers' instructions.

NOTE: FOR USE ONLY with AirSep's Portable Oxygen Concentrators (POCs), models Focus, FreeStyle and FreeStyle 5

NOTE: Refer to the Patient Manual of your portable oxygen concentrator (POC) for instructions on its operation. This manual only covers the use of the External POC Power Cartridge as an accessory for extended duration.

NOTE: The manufacturer recommends fully charging the battery before first use.
















NOTE: Depending on the temperature of the power cartridge, it can take several minutes for the charging cycle to begin after connecting to power. This is a normal condition and is intended for safe charging.

NOTE: The External Power Cartridge does not need to be fully discharged before recharging. It is recommended to re-charge after each use.

NOTE: If air travel is in your future plans, it is recommended you contact your air carrier for O2 operation and limitations.

NOTE: Clean battery, charger and power supply with a damp, lint-free cloth and mild dish soap. Do not submerge, direct rinse or place in any water, fluid or cleaning agent.

Definition of Symbols

Symbol	Definition	Symbol	Definition
	Read user manual before operation. See user manual for instructions.		No liquids
	Recycle Symbol		This device complies with the requirements of Directive 93/42/EEC concerning medical devices. It therefore bears the CE marking as shown.
	This symbol is to remind the equipment owners to return it to a recycling facility at the end of its life, per Waste Electrical and Electronic Equipment (WEEE) Directive.		Drip Proof Equipment-IPX1: Protection against the harmful effects of the ingress of liquids
	For indoor use only		Name and address of manufacturer
	Keep unit and accessories dry		Date of manufacturer
	Serial Number		Authorized representative in the European Community
	Safety Agency		Catalog Number
	UL listed		

Specifications

External Power Cartridge	
Battery Chemisty	Lithium-Ion
Nominal Capacity	6.4 Ah, 96 Wh
Nominal Voltage	15 VDC
Charging Time	5 Hours Maximum
Operating Temperature	5°C - 40°C (41°F - 104°F)
1 Month Storage Temperature	-20°C – 60°C (-4°F – 140°F)
3 Month Storage Temperature	-20°C – 45°C (-4°F – 113°F)
1 Year Storage Temperature	-20°C – 20°C (-4°C – 68°F)
Charger	
DC Input Voltage	19 (+/- 5%) VDC
Power Requirements	57 Watts
Max DC Input Current	3.0 Amps
Power Supply	
Input Voltage	100-240 VAC, 50/60 Hz
Power Rating	60 Watts
Input Current	1.5 Amps
DC Output Voltage	19 VDC
Max Output Current	3.15 Amps

External Power Cartridge

The AirSep POC External Power Cartridge is designed to supply power to the Focus, FreeStyle, and FreeStyle 5 portable concentrators. The external power cartridge will extend the duration of the unit when being used away from an AC or DC power source.

Charging the External Power Cartridge

The AirSep POC External Power Cartridge can only be charged by its external charger. The 2-dock charger allows 2 batteries to be charged simultaneously from an AC power source.



NOTE: FOR USE ONLY with AirSep's Portable Oxygen Concentrators (POCs), models Focus, FreeStyle and FreeStyle 5.

NOTE: The External Power Cartridge does not need to be fully discharged before recharging. It is recommended to re-charge after each use.



CAUTION: Use only the external charger to charge the External Power Cartridge.

CAUTION: Use only the universal power supply supplied with the external charger to connect it to AC power.

CAUTION: Failure to follow these instructions may result in damage to your external power cartridge, external charger or power supply and can result in severe bodily injury or property damage.



1. Disconnect the external power cartridge from the Focus, FreeStyle, or FreeStyle 5 if still connected.
2. Connect the AC Power cord to the universal power supply (if not already connected).



3. Locate the barrel connector on the opposite end of the universal power supply. Insert it into the universal power supply connector on the back of the charger.



4. Plug the universal power supply into an electrical outlet. If no batteries are

inserted into the charger, both battery status LED's will illuminate red to show power to the charger.



5. Align the connectors on the bottom of the external power cartridge with the connections in the dock of the external charging station. Once the connections are aligned, push downward to connect the external power cartridge to the charger.



6. Once the external power cartridge is inserted into the charger, it will begin charging. The battery status LED on the charger in front of the external power cartridge will be illuminated to indicate the status of the charging sequence.

Flashing Green Light: External Power Cartridge is charging

Solid Green Light: External Power Cartridge is fully charged

Flashing Red Light: Charging Error

Solid Red Light: No battery inserted into dock



6. The charge will also be indicated by the built-in gauge on top of the external power cartridge. The gauge has four lights (25%-100%) to indicate the level of the charge. While charging a fully discharged external power cartridge, the 25% LED will blink until 25% capacity is reached. The LED will then turn solid and the LED that indicated 50% will blink until 50% capacity is reached. This process will continue until the power cartridge reaches its capacity.



7. An external power cartridge will fully charge from an empty state in 5 hours.

Connecting the External Power Cartridge

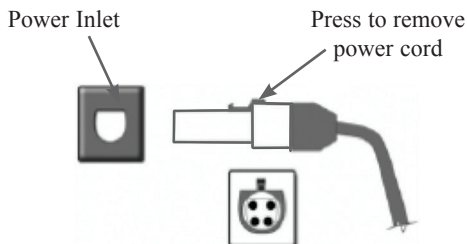


WARNING: THE EXTERNAL POWER CARTRIDGE MUST BE DISCONNECTED FROM THE CHARGER DOCK FOR USE WITH AN AIRSEP PORTABLE CONCENTRATOR. DO NOT ATTEMPT TO USE THE EXTERNAL POWER CARTRIDGE OR CONNECT IT TO THE FOCUS, FREESTYLE, OR FREESTYLE 5 WHILE IT IS BEING CHARGED IN THE DOCK.

Freestyle & FreeStyle 5



1. Connect the end of the coil cord on the external power cartridge into the unit's power connection inlet.



2. Be certain to properly align the coil cord connector into the inlet of the FreeStyle. Take note of the D-shaped plug of both the coil cord and the inlet connection on the FreeStyle. Once they are properly aligned, push inward toward the FreeStyle to lock the connection in place.
3. To disconnect the external power cartridge, press the release button on the top of the connector and pull outward.

Focus

1. Connect the end of the coil cord on the external power cartridge to the Focus adaptor (P/N CD035-1) shown below.



2. Be certain to properly align the coil cord connector into the female inlet of the adaptor. Take note of the D-shaped plug of both the coil cord and the connector. Once they are properly aligned, push the coil cord into the connector to lock in place.



3. Insert the male end of the connector into the Focus power inlet with the arrow on the side of the connector facing outward. Do not force the connector into the power inlet, as it can only be inserted one direction.



4. To disconnect the external power cartridge from the Focus, gently pull the connector upward away from the top of the Focus.

Using the External Power Cartridge

The external power cartridge has a integrated belt clip that allows it to be worn on a the waist for portable use. The new FreeStyle bag will also accommodate the external power cartridge. The power cartridge will fit in the side pocket(s) while connected to the concentrator and in use.

Each battery has a test gauge on top with 4 lights representing the level of battery from 25% to 100% charge. Pressing the test button will display the remaining charge on the battery.

- 1.Press the round TEST button on top of the cartridge to ensure a sufficient charge before use. When the TEST button is pressed, the LED lights will illuminate to indicate the level of power cartridge charge.



- 2.Use the tables below to determine the duration or a full power cartridge charge for your POC and prescription setting.

Focus

Setting	External Power Cartridge Duration
2	3.5 Hours

FreeStyle

Setting	Duration of Fully Charged Internal Battery + External Power Cartridge
1	10 Hours
2	6 Hours
3	5 Hours

FreeStyle 5

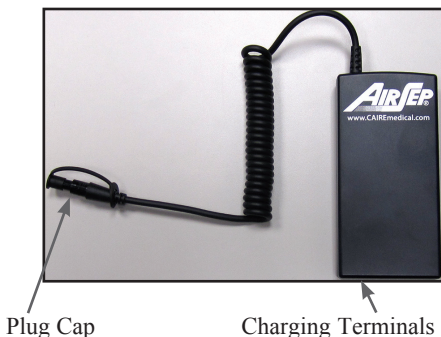
NOTE: When used with the FreeStyle or FreeStyle 5, if the internal battery fully depletes and the FreeStyle or FreeStyle 5 shuts down, the unit cannot be restarted with the External Power Cartridge. Should this occur, connect your FreeStyle or FreeStyle 5 to an AC/DC power supply for a short period of time in order to provide sufficient internal power cartridge power to start the unit. The External Power Cartridge can then be used for additional runtime.

Setting	Duration of Fully Charged Internal Battery + External Power Cartridge
1	7 Hours
2	4 Hours
3	3 Hours
4	2.5 Hours
5	2 Hours

- 3.The concentrator’s audible alarm will sound when the charge is getting low. Please reference the user’s manual of your POC for information on its behavior with a low power cartridge. Exchange power cartridges or seek an alternate power source when this alarm activates.

FAA Regulation

Spare batteries must be individually protected to prevent short circuits by placement in the original retail packaging or by otherwise insulation terminals, e.g. by taping over exposed terminals or placing each battery in a separate plastic bag or protective pouch, and carried in carry-on baggage only



Equipment Disposal

Your battery is rechargeable and can be recycled. Always return the battery to your home care provider for proper disposal. You can also contact your local city or town offices for instruction on proper disposal of the battery.

Local Environments laws may prohibit disposal of electrical and/or electronic equipment such as the External Battery Charger. Contact local city or town offices for instructions on proper disposal of electrical or electronic equipment. Alternately, CAIRE, Inc. may be contacted for disposal information.



CAUTION: For Proper battery disposal, contact your equipment provider or local government agency for disposal requirements. The Battery must not be incinerated.



Batteries are recyclable.

Notes

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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