

Fisher & Paykel Healthcare Battery Power Quick Reference Guide

A quick reference guide to powering Fisher & Paykel Healthcare CPAP devices with batteries

For people who travel where power may not be available, Fisher & Paykel Healthcare CPAP devices can easily be connected to a battery and run for 8 hours.

What you need:

Fisher & Paykel Healthcare CPAP devices¹



SleepStyle™ 230



SleepStyle™ 244



SleepStyle™ 254



SleepStyle™ 600



F&P ICON™



12 volt DC Deep Cycle Battery



Inverter

How it works

When standard power is unavailable a similar power source needs to be created that your CPAP device can be connected to. The first requirement is a deep-cycle battery (sometimes referred to as marine-type deep-cycle batteries), which provide the longest and best power for situations where standard power is unavailable. The inverter provides a three-pin socket (specific to the country) that many electrical devices can be plugged into - in this case your CPAP device. Connect your CPAP device directly into the power inverter to commence therapy.

How long will it last?

How long the battery will last on a single charge depends on many factors, including the CPAP pressure, mask leaks, humidity setting, the air temperature, and the age and type of the battery. In general, the fully charged battery should power the CPAP for 8 hours on a single charge.

¹ Not all Fisher & Paykel Healthcare CPAP devices are designed for use with batteries. HC220 models and later are compatible. If you are unsure, contact Fisher & Paykel Healthcare.

² These requirements were tested with pressure set to the maximum (20 cmH₂O).

Battery requirements (DC/AC conversion)²

Humidity Setting	SleepStyle™ 230/240/250 Series	SleepStyle™ 600 Series	F&P ICON™
Off	20 amp hour	20 amp hour	26 amp hour
Less than or equal to: Setting 2 (200/600 Series) Setting 3 (F&P ICON™*)	30 amp hour	50 amp hour	50 amp hour
Less than or equal to: Setting 4 (200/600 Series) Setting 7 (F&P ICON™*)	50 amp hour	70 amp hour	70 amp hour

* Applicable to either standard tube or ThermoSmart™ breathing tube

Fisher & Paykel Healthcare also recommends an inverter with the following specifications:
115 Vac 200 W/300 W surge, or 230 Vac 300 W/500 W surge.

Recharging batteries

Batteries need to be recharged as soon as possible after use, and should not be drained completely. Deep-cycle batteries generally respond better to “deep” draining (draining almost to empty) and recharging. Consult the battery User Instructions on how best to recharge the battery. Solar-powered chargers are available for recharging “off the grid”.

Considerations


If you are planning a trip, particularly if you are going to be several nights without power, we recommend that you try sleeping with the device connected to the battery for several nights at home to test its performance.

Where do I get these items?

Deep-cycle batteries and inverters are available from most electronic and automotive stores. Please review the accompanying instructions before using your CPAP device with battery power.

More questions?

For additional information relating to battery power, your CPAP device or therapy in general contact Fisher & Paykel Healthcare. We're here to help!

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