

CPAP Battery Comparison Guide



Battery Power Solutions
Freedom V²



Medistrom
Pilot Lite 12V



Medistrom
Pilot Lite 24V



Respironics
PAP Battery Kit



ResMed
Power Station II

Capacity:	99.9 Wh	95 Wh	95 Wh	90 Wh	90 Wh
Output Voltage:	12V-24V (via DC output cable)	12V	24V	11V-15V (output range)	24V or 26V (via output switch)
Size (L x W x H):	7.5" x 4.8" x 0.8"	6.7" x 3.5" x 0.8"	6.7" x 3.5" x 0.8"	9" x 5.25" x 1.25"	9.06" x 4.96" x 1.02"
Weight:	1.7 lbs.	1.3 lbs.	1.3 lbs.	2.25 lbs.	2.04 lbs.
Power Gauge:	Digital Display Screen	LED Indicator Lights	LED Indicator Lights	LED Indicator Lights	LED Indicator Lights
USB Port:	Yes (Quick Charge 3.0)	Yes	Yes	No	No
PAP Device Compatibility:	Most all PAP Device Makes & Models <small>(via unique DC cables or 150W Sine Wave Power Inverter)</small>	Respironics DreamStation & System One 60 Series <small>(DC cables available for DeVilbiss IntelliPAP/IntelliPAP 2 and HDM Z1/Z2 devices)</small>	ResMed AirSense 10 & AirMini Series <small>(DC cables available for ResMed S9, 3B Medical Luna, Apex iCH, & Respironics DreamStation Go devices)</small>	Respironics DreamStation & System One 50 and 60 Series	ResMed Air 10, S9 & S8 Series <small>(via unique DC cables)</small>
*Average Run Time:	16 hrs	15 hrs	15 hrs	14 hrs	13 hrs
*Dual Battery Option:	Yes	No	No	No	Yes
*UPS Battery Backup:	Yes	Yes	Yes	Yes	No
*Safe for Air Travel:	Yes	Yes	Yes	Yes	Yes
*Charge Time:	2-3 hrs	2-3 hrs	2-3 hrs	3 hrs	4 hrs
Auto Charge Option:	Yes	Yes	Yes	No	No
Solar Charge Option:	Yes	Yes	Yes	No	No
*Life Span (charge cycles):	500 cycles	500 cycles	500 cycles	1,000 cycles	500 cycles
Warranty:	1 Year	1 Year	1 Year	6 Months	6 Months



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***SEE BACK SIDE FOR MORE INFORMATION**

Average Run Times

- Many factors affect run times including, but not limited to, device type, high pressure setting, altitude, mask fit, heated humidifier use, and heated tubing use. For optimal performance heated humidification and heated tubing should always be disconnected or turned off.
- All average run times are based on CPAP devices using a DC connection cable without the use of heated humidification or heated tubing on a pressure setting of 10 cm/H₂O.

Dual Battery Option

- The ability to connect two batteries together in order to increase run times.

UPS Battery Backup

- The ability of the battery to operate as an uninterruptable power source in the event of a power outage. In this setup the battery will recognize when AC power is lost and automatically begin powering the PAP device.

Safe for Air Travel

- Spare lithium-ion batteries (batteries not installed in equipment) that are under 100 Wh are allowed on board in carry-on baggage only. Spare lithium-ion batteries may not be taken in checked baggage.

Charge Time

- Charge times will vary based on the wattage of the AC power supply being used for charging the battery. All listed charge times are based on 90W power supplies.
- Most CPAP batteries are designed to be charged using the AC power supply of the PAP device via a power supply adapter cable; however, a power supply specific to the battery will also be available for purchase.
- **NOTE:** The ResMed Power Station II must always maintain a charge level. If the ResMed Power Station II discharges completely it will no longer be able to be charged and will no longer function.

Life Span

- The battery life span is based on the number of complete charge cycles meaning the battery charge level from 100% - 0% and back to 100%.

