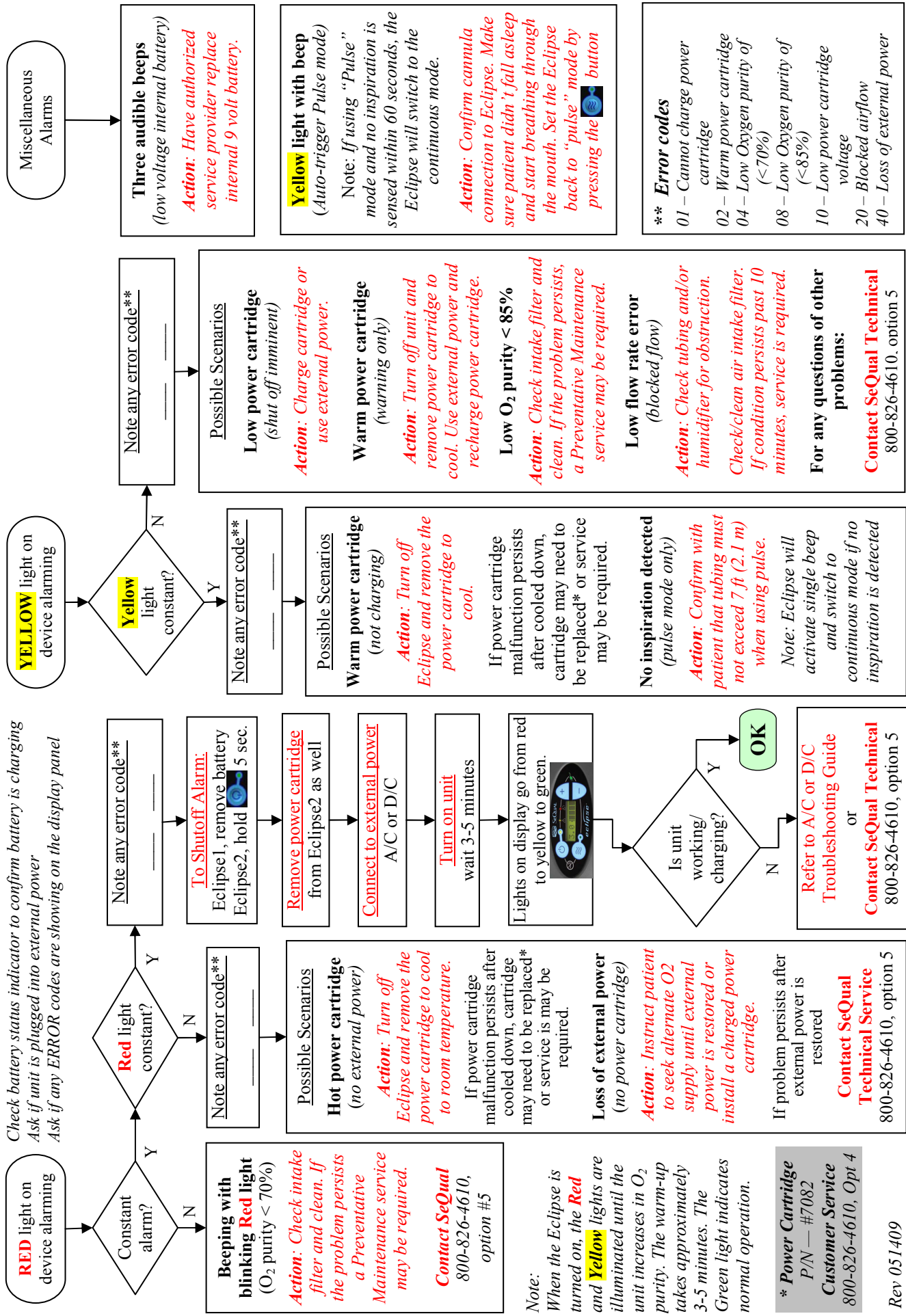
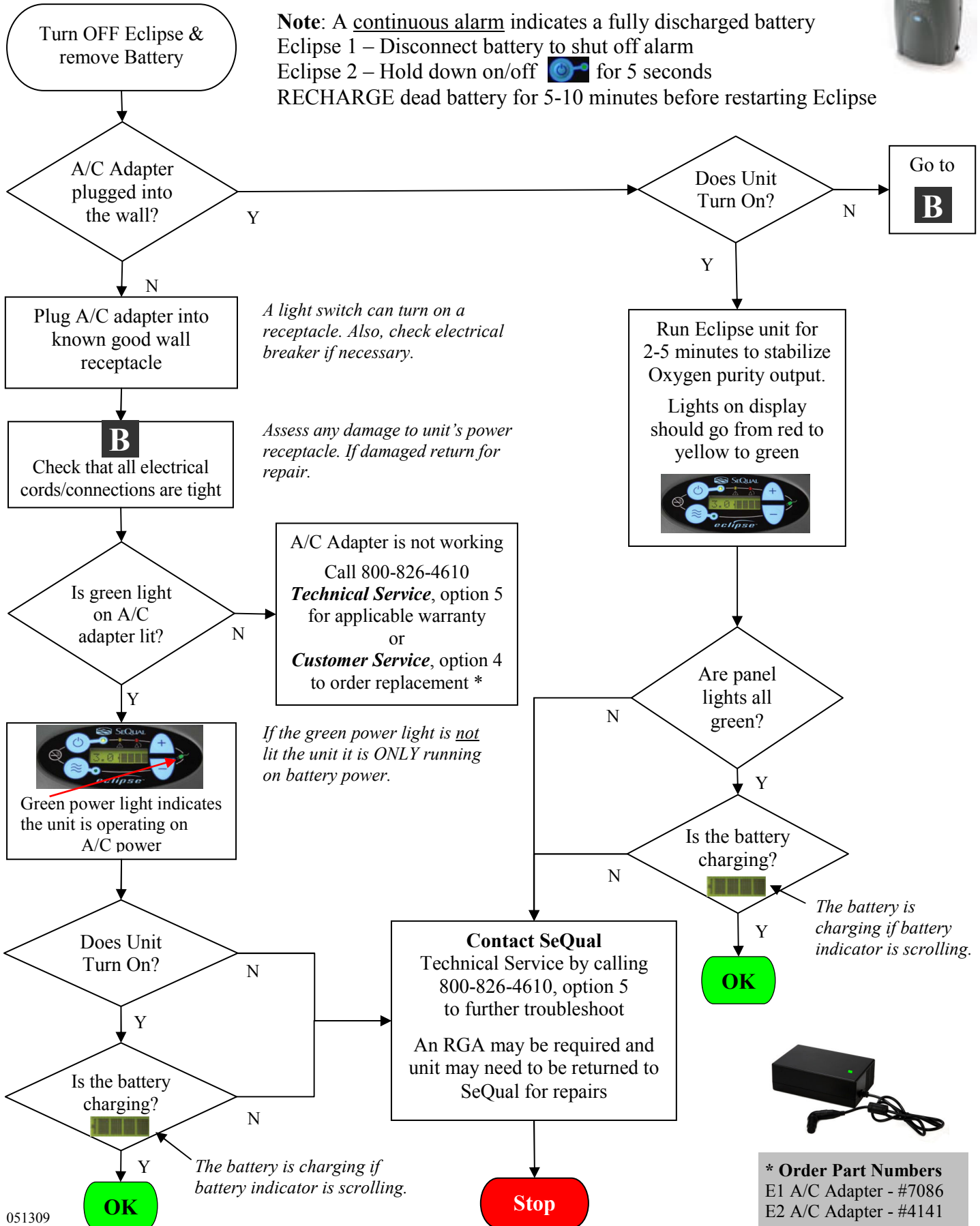


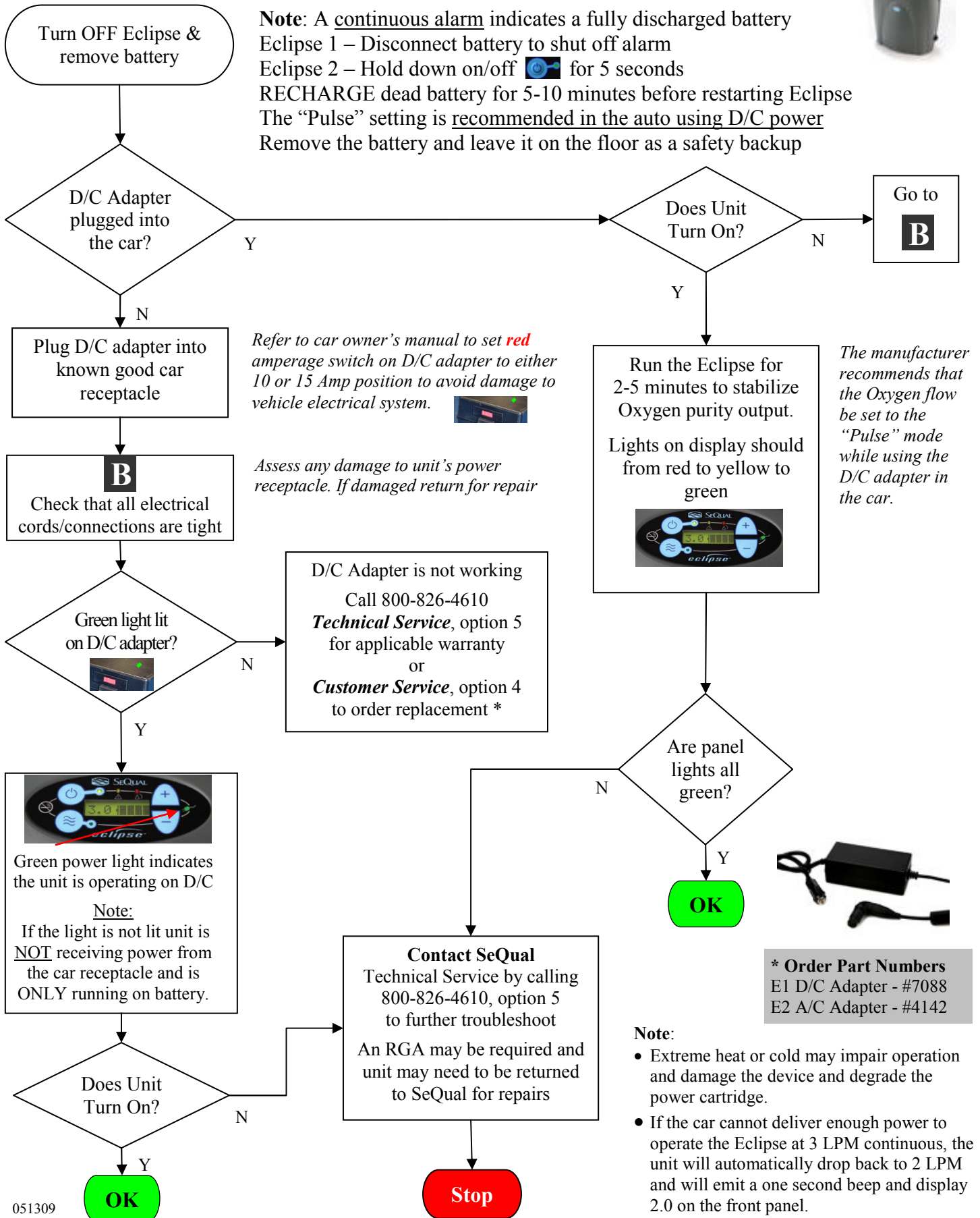
Eclipse Alarms/Alerts Troubleshooting Guide



Eclipse A/C Troubleshooting Guide



Eclipse D/C Troubleshooting Guide



Eclipse Power Cartridge Trouble-Shooting Guide

Conditioning

The power cartridge should be fully discharged and recharged at least once a month to assure best quality of service.

Note: A new power cartridge is not fully charged when it is shipped from the factory. Before using the power for the first time, first fully charge the Power Cartridge. The Power Cartridge is fully charged when the Power Cartridge Status Gauge Indicator (at the top of the device) is completely illuminated or the device has been charging for a minimum of 5 hours.

Charging

The power cartridge can be charged while in the Eclipse or with an optional desktop charger*. The typical time to recharge the power cartridge is between 1.4 to 5 hours, depending on voltage source and flow settings.

Note: The Power Cartridge may not recharge, or the charge time may increase significantly, when operating from the DC Power Supply set in the 10 AMP position.

Temperature

The power cartridge will not charge if the cartridge is warmer than **45° C (113° F)**. The **Yellow** indicator on the display panel will be on continuously (an error code of 01 may also appear).

Action: Remove power cartridge to cool and connect to external power source or change power cartridge.



The power cartridge will not discharge if the cartridge is warmer than **70° C (158° F)**. The **Red** indicator will blink and a steady alarm will be heard.

Action: Remove power cartridge to cool and connect to external power source or change power cartridge.



Do not expose the power cartridge to temperatures above **60° C (140° F)**, such as in a vehicle parked in the sun or on a hot day.

Note: The storage temperature range for the device is -4°F (-20°C) to +140°F (+60°C) and 95% non-condensing humidity. If the power cartridge becomes too warm during discharging, recharging will not begin until the Power Cartridge sufficiently cools. Removing the Power Cartridge and allowing it to cool may expedite this cooling process.


Alarms

Power Cartridge failure, or a low power status condition, will produce a system audible alarm.

*Note: The audible alarm will sound and the **Red** indicator on the display panel will blink.*

Action: Connect to external power source immediately and charge power cartridge.



To disable alarm on Eclipse 1, remove power cartridge. For the Eclipse 2, hold the power button  down for five (5) seconds.

Typical new power cartridge operation times

Flow Rate Setting	Continuous Flow (LPM)	Pulse Flow (Setting)
0.5	4.4 hours	-
1.0	3.7 hours	4.4 hours
2.0	2.4 hours	3.6 hours
3.0	1.3 hours	3.0 hours
4.0	-	2.6 hours
5.0	-	2.3 hours
6.0	-	2.1 hours



*** Order Part Numbers**
Power cartridge - #7082
Optional charger - #7112

Notes:

- Extreme heat or cold may impair operation or damage the device and degrade the power cartridge.
- DOT/UN regulations require removal of the power cartridge for international travel when checked as luggage.