

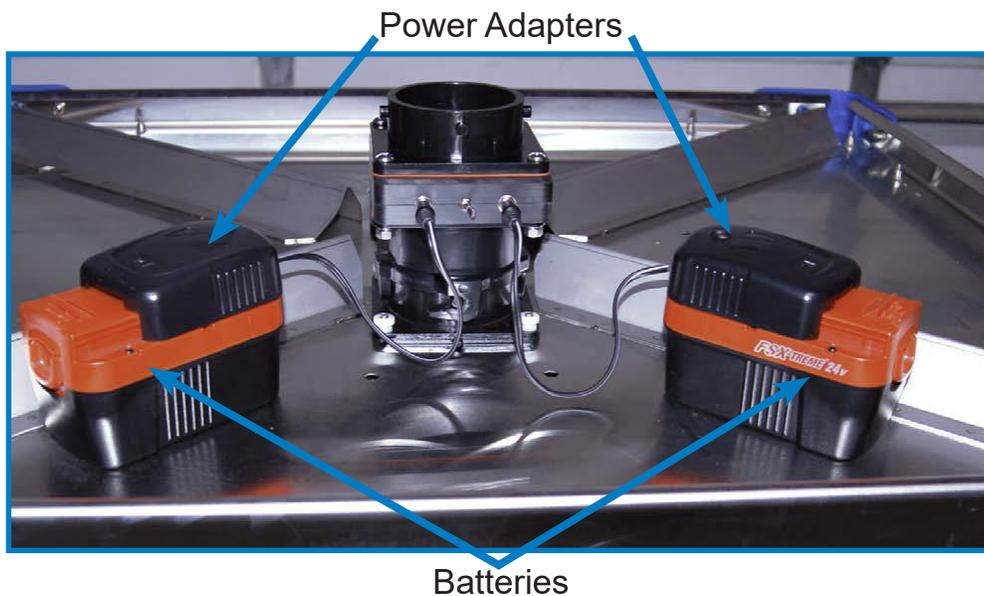
## Standard Operating Procedure Fail-Safe Fan

### Introduction

The fail-safe fan allows facilities to continue airflow through any Animal Care Systems racks in the event of power loss or HVAC system failure. Two 24-volt batteries power a fan that pulls air through the rack for up to 48 hours at 46 cubic feet per minute (1,302 liters per minute). The fan can run on one battery for 24 hours while the other battery charges. Each battery needs 1 hour to charge.

The fail-safe fan also enables rack portability in the case of an emergency, such as flooding. The fan adds 5 inches to the rack height, bringing Optimice® and all Optirat® heights to **81.5 inches (207 cm)**.

The fan can run on a power supply, which may be necessary if only the HVAC system is down. When the power supply is in use, batteries **must not** be connected. Contact ACS for power supply details.



### Battery Charging

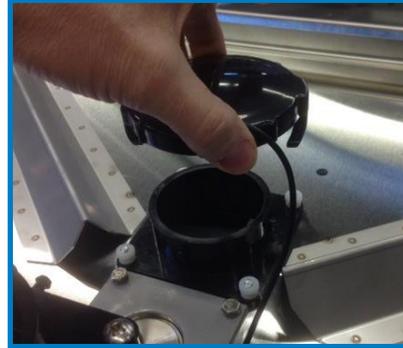
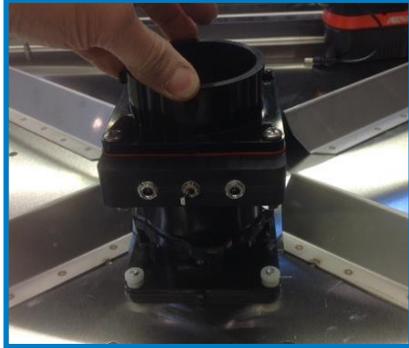
1. Slide the red bottom of the battery into the charger until it stops.
2. Plug the charger into an outlet. Read the lighting information on the charger.
3. Once the battery is charged, slide it out of the charger.



# Standard Operating Procedure Fail-Safe Fan

## Installation

1. Lock the two locking casters. Use a ladder to access the top of the rack. Do not tip the rack.
2. Twist the bottom flange of the fan onto one of the two rack hose flanges on the top of the rack.
3. Cover the second flange with a flange cap.



4. Slide the power adapter onto the battery.
5. Plug the power cord into either the left or right power jack. If using a second battery, repeat Steps 4 and 5.



6. Flip the switch between the two power jacks to turn on the fan.

