



THE POWER OF **CONNECTED**

# **8670 8-Bay Battery Charger**

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## **Quick Start Guide**

## Unpack your Battery Charger

After you open the shipping carton containing the product, take the following steps:

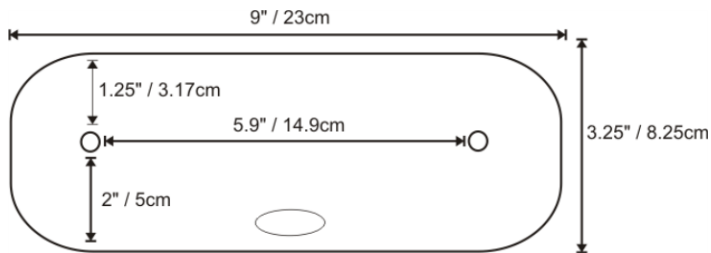
- Check for damage during shipment. Report damage immediately to the carrier who delivered the carton.
- Make sure the items in the carton match your order.
- Save the shipping container for later storage or shipping.

## Introduction

The 8670 8-Bay Battery Charger simultaneously charges eight rechargeable lithium ion batteries. The time required for charging is dependent upon the battery internal temperature and condition. The battery charger should be located in an area that is well ventilated and not in high traffic areas. It should have enough clearance to allow easy access to the power port on the back of the device, and be protected from rain, dust, direct sunlight or inclement weather. The charger is not approved for use in hazardous locations.

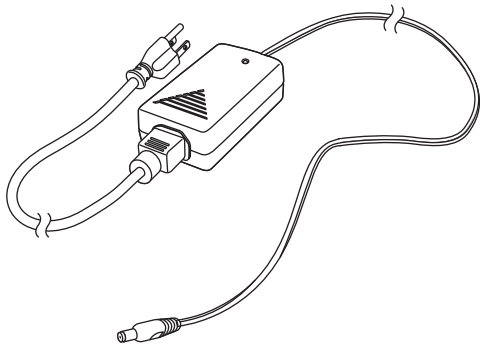
This device is intended for indoor use only and requires an indoor AC power source. The AC cord should not be stepped on, tripped over or subjected to damage or stress.

## Mount the 8670 8-Bay Battery Charger



Place the charger on a horizontal, hard surface or fasten securely to a wall using the mounting holes. Mounting hardware is not supplied by Honeywell.

## Assemble the Power Supply



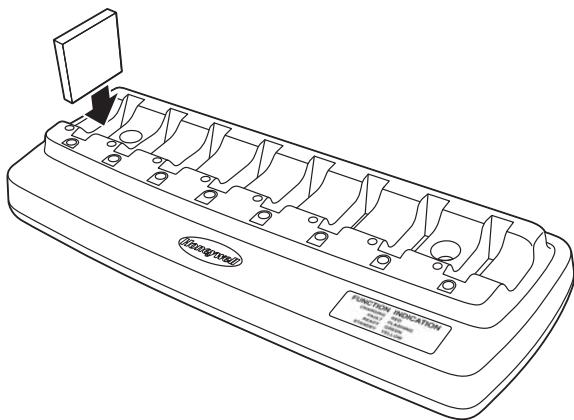
The AC power supply for the battery charger is shipped with the battery charger. For non-US models a power cord is required.

1. Plug the A/C power cord into the power adapter.
2. Plug the power cable into the power connector on the back of the 8670 8-Bay Battery Charger.
3. Plug the A/C power cord into a grounded power source. The charger is now powered.

The charge pocket LEDs flash while the battery charger enters and exits the startup check. The battery charger is ready for use once the charge pocket LEDs are no longer illuminated.

## Charge the Batteries

Hold the battery with its three charging contacts in line with the three charging contacts in the charging pocket. Use the direction of the arrow on the battery label as a guide and align the yellow dot on the battery with the yellow dot on the charger. Firmly press the battery straight down into the battery charging pocket.



It is important that batteries are inserted into the charging pocket correctly. Inserting the battery incorrectly could result in damage to the battery or the charger. Do not “slam” or slide the battery into the pocket. This could damage the charger.

When a battery is placed in a charging pocket, the battery charger begins charging the battery. There is a slight delay while the charger evaluates the condition of the battery before charging begins. While charging, the charger and battery will generate enough heat to feel warm. This is normal and does not indicate a problem. The red LED on the 8-Bay Charger indicates the battery is charging. A green LED indicates the battery has been fully charged and can be removed.

## Interpret the Charge Pocket LEDs

The battery pocket timers are dynamic and based upon the capacity of the battery. There is a timeout period for the soft start and another timeout period for the overall time required to charge the battery to full capacity.

<b>LED</b>	<b>Indication</b>
Red continuous	Battery is charging.
Red flashing	Battery charger fault or failure.
	Charging pocket timeout period has expired.
Green continuous	Battery charge is complete.

<b>LED</b>	<b>Indication</b>
Yellow/Amber continuous	Battery pocket is in standby mode while warming up or cooling down.
	Battery is inserted incorrectly. Make sure charging terminals on battery and charger are aligned.
No light on a charge pocket	No battery in pocket.
	Battery is not fully inserted.
	Battery or charger is defective or damaged.
No light on all charge pockets	No power to charger.
	No batteries in any pocket.

## Battery Charger Help

Issue	Cause	Solution
Battery does not fit in charging pocket	Different manufacturer's battery.	Use only Honeywell lithium ion batteries, model number HNP-40, in this charger.
	There is an object in the charging pocket.	Unplug charger from AC supply. Remove any dirt or foreign objects from the charging pocket.
No battery in charger, but an LED is on	Dirt or foreign objects are in the charging pocket.	Unplug charger from AC supply. Remove any dirt or foreign objects from the charging pocket. If the LEDs continue to remain ON, the charger may be defective. Contact Support at <a href="http://www.honeywellaidc.com">www.honeywellaidc.com</a> .



<b>Issue</b>	<b>Cause</b>	<b>Solution</b>
Charger is plugged into a live outlet, battery is inserted, but all LEDs are off	Battery is not making contact with terminals in the pocket.	Push battery in firmly. Do not “slam” the battery into the charging pocket.
	Faulty battery.	Replace battery. If this does not correct the situation, contact Support at <a href="http://www.honeywellaidc.com">www.honeywellaidc.com</a> .
Red LED comes on when a fully charged battery is inserted	During the first few minutes, the battery charger checks the battery for correct voltage and charge state. During this time the LED is red.	There is nothing wrong with the battery or charger. Do not “top off” a fully charged battery by repeatedly placing it in the charging pocket. The battery may overheat and become damaged.

<b>Issue</b>	<b>Cause</b>	<b>Solution</b>
Red LED is flashing on any pocket	Current could not be sourced through the battery due to age, exhaustion, or damage to the cell(s).	Contact Support at <a href="http://www.honeywellaidc.com">www.honeywellaidc.com</a> for battery replacement options.
	The charger's timeout period has expired.	Make sure that the battery temperature is within specification and try charging again. If this does not correct the situation, contact Support at <a href="http://www.honeywellaidc.com">www.honeywellaidc.com</a> for battery replacement options.

<b>Issue</b>	<b>Cause</b>	<b>Solution</b>
Yellow/Amber LED when battery is inserted in the charging pocket	The battery is too hot or too cold to charge.	Remove the battery from the charging pocket and allow it to adjust to room temperature. If the battery is left in the charging pocket, it will cool down or warm to a temperature upon which the charger will begin the charge cycle. However, depending on the temperature of the battery, it may take 2-3 hours to adjust. The cool-down / warm-up of a battery is much quicker if the battery is not in the charging pocket.
	Battery is inserted backwards.	Remove the battery, line up the charging terminals on the battery with the charging terminals in the charging pocket and insert the battery again.

## **Cleaning and Storage**

### **Clean a Battery**

The battery should not require cleaning unless it has become heavily soiled. Use only mild detergent with a slightly damp cloth to clean the outside of the battery. Do not use solvents or flammable cleaners. Allow the case to dry fully before using again.

### **Clean the Battery Charger**

Use only mild detergent with a slightly damp cloth to clean the outside of the charger. Do not use solvents or flammable cleaners. Allow the case to dry fully before using again.

Do not allow cleaning agents of any kind to contact the battery charging contacts or they may be damaged. If necessary, clean them with a soft-bristle, dry brush or compressed air.

Unplug the charger from the power source before cleaning or removing debris from the charging pockets. Disconnect the charger from AC power by pulling the plug, not the cord.

Keep dirt and foreign objects out of the battery pocket. Do not short circuit any of the contacts in the battery pocket. This could result in injury or property damage.

### **Storage**

Remove all batteries from the charging pockets and disconnect AC power before placing the 8670 8-Bay Battery Charger in storage. It should be stored in a cool, dry place, protected from weather and airborne debris.

## Cautions and Warnings



**Use only Honeywell lithium ion batteries, model number HNP-40, rated 3.7 Vdc, 2.77Whr in this device. Use of any non-Honeywell battery may result in damage not covered by the warranty.**



**Use the provided AC power supply only. Using any other type of AC power supply is prohibited.**

Do not disassemble or perform modifications to the charger. There are no user serviceable components in the charger.

## Battery Recommendations

The battery is a lithium ion cell and can be used without a full charge, and can also be charged without fully discharging, without impacting the battery life. There is no need to perform any charge/discharge conditioning on this type of battery.

Replace a defective battery immediately since it could damage the scanner.

Do not leave the battery in a non-operating charger. The battery may discharge through the charger rather than hold its charge.

Although your battery can be recharged many times, it will eventually be depleted. Replace it after the battery is unable to hold an adequate charge.

If you are not sure if the battery or charger is working properly, send it to Honeywell International Inc. or an authorized service center for inspection.

## Safety Precautions for Lithium Batteries

- Batteries should be stored, charging contact side up, in a cool dry place, protected from weather and airborne debris, whenever possible.
- Do not place batteries in fire or heat the batteries.
- Do not store batteries near fire or other high temperature locations.
- Do not store or carry batteries together with metal objects.
- Do not expose batteries to water or allow the batteries to get wet.
- Do not connect (short) the positive and negative terminals, of the batteries, to each other with any metal object.
- Do not pierce, strike or step on batteries or subject batteries to strong impacts or shocks.
- Do not disassemble or modify batteries.
- Do not leave the battery in a non-operating charger. The battery may discharge through the charger rather than hold its charge.

## Support

To search our knowledge base for a solution or to log into the Technical Support portal and report a problem, go to [www.hsmcontactsupport.com](http://www.hsmcontactsupport.com).

## User Documentation

For the user guide and other documentation, go to [www.honeywellaidc.com](http://www.honeywellaidc.com).

## Limited Warranty

For warranty information, go to [www.honeywellaidc.com](http://www.honeywellaidc.com) and click **Get Resources > Product Warranty**.

## Patents

For patent information, see [www.hsmpats.com](http://www.hsmpats.com).

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