





# HeartMate 3™ Universal Battery Charger Guide

**The Universal Battery Charger (UBC)** calibrates, charges, and tests the batteries that are used to power the system during battery-powered operation.



## What do the slot indicator lights mean?

The slot indicator lights tell you the battery status or slot status. See table below for a description of the battery charger light meanings.

LED light color	Status/meaning
Green light 	Battery is fully charged and ready for use.
Yellow light 	Battery is undergoing test, charging or calibration.
Yellow blinking light 	Battery requires calibration cycle.
Red light 	Battery or charging system is defective. <b>Do not</b> use battery. Call VAD Emergency Number (734) 477-6722.

## How do I know if my UBC has power?

- The UBC has no alarm to indicate the unit has lost power.
- Always check to be sure slot indicator lights on the UBC are illuminated when placing batteries in or out of the UBC.

## How do I check the battery's available power and charge cycle?

- If you push a slot number once, you will get a picture of a battery indicating how charged the battery is at that time.
- If you push a slot number twice, you will get the number of cycles the battery has used and mAh (milliamp hours), which indicates the battery's ability to hold a charge.

## What is battery calibration?

Your VAD uses lithium-ion batteries that measure the available battery power and count battery usage/charge cycles. After approximately 70 battery uses, the battery senses that it needs to calibrate its battery power gauge. Calibration helps keep the battery power gauge accurate.

During calibration, the charger drains the battery of all electrical energy and then recharges it. Battery calibration can take up to 12 hours, and only one battery can be calibrated at a time. While calibrating one battery, the charger can charge three HeartMate 3™ batteries as usual.

## How will I know when to calibrate the batteries?

The Universal Battery Charger (UBC) will alert you that a calibration of the battery is needed with:

- a **blinking yellow light** for that slot
- a **split battery symbol** and the battery slot number **flashes** on the charger display panel



You have the option to calibrate a battery when prompted or wait for a more convenient time (such as at night).

Please note: the UBC will prompt you to calibrate each time the battery is placed into any charging slot.

## How do I calibrate the batteries?

To calibrate the batteries, take the following steps:

- Within 10 seconds of the start of the blinking yellow light, **press and release** the number button for the pocket.
- If you **do nothing** when the yellow light begins blinking (prompt to start calibration), **after 10 seconds** the battery will start to charge instead.

When the calibration process is complete, the yellow light turns off and the green light comes on, indicating the battery is fully charged and ready for use.

### Please Note:

- Calibration can occur in any charging slot.
- You must leave the battery in the same slot while the calibration is in process.
- The calibration process takes up to 12 hours.
- Reminder: You must wait for the UBC prompt to calibrate batteries, you cannot “force” a calibration.

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