

Overview

FlexCell is a lightweight and flexible battery system that powers myoelectric hands and wrists. The system consists of a charging port with an on/off button, a junction board, flexible lithium-polymer gel batteries, a charger, and charging port flange. The flexibility of the batteries allows practitioners to conform them to the inner surface of the prosthesis shell.

Over 3,000 patients worldwide have been fit with FlexCell.

Compatibility:

All 7.4V myoelectric hands that accept a:

- 2-port Ottobock-style connector
- 4-pin Motion Control connector
- 2-pin Steeper connector

FlexCell is also compatible with the Ottobock System 2000 Hand.

FlexCell has been third party safety tested. It has also been tested internally with terminal devices from various manufacturers. Check with IBT if you are unsure about compatibility.

Features

1. Batteries come in two sizes: FlexCell (550 mAh) and FlexCell Mini (330 mAh). Both are 7.4V and intended for upper limb prosthetics.
2. Combine up to 4 FlexCells to create a capacity range of 550 mAh to 2200 mAh.
3. The batteries are thin and can be flexed to conform to the inner surface of the prosthesis shell, giving a more natural, finished prosthesis.
4. The charging port allows the user to check the charge remaining on the battery. The charge is displayed by LED lights.
5. The charging port allows the user to turn the battery on/off to manage power throughout the day.
6. The charging port is only 5mm thick so it barely protrudes into the prosthesis.
7. The charging port uses a snap-in flange, which makes it easy to switch the FlexCell system from one prosthesis to the next.
8. The charger is magnetic, which allows for an easy snap connection with the charging port.
9. Car charger available for on-the-go charging.
10. The shape of FlexCell distributes the weight more proximal, which decreases the torque due to prosthesis weight.

Battery Replacement Program

The FlexCell battery is rated for 500 cycles, which will last most users 1-2 years after purchase. Like most batteries, FlexCell may begin to exhibit decreased capacity after this time. IBT will replace older FlexCell batteries for only \$75 per battery, decreasing long term costs.

Frequently Asked Questions

1. How long does it take to charge the batteries?

It takes about 3.5 hours to charge a 2200 mAh kit. A kit with a capacity less than 2200mAh will take less time to charge.

2. How long do the batteries last?

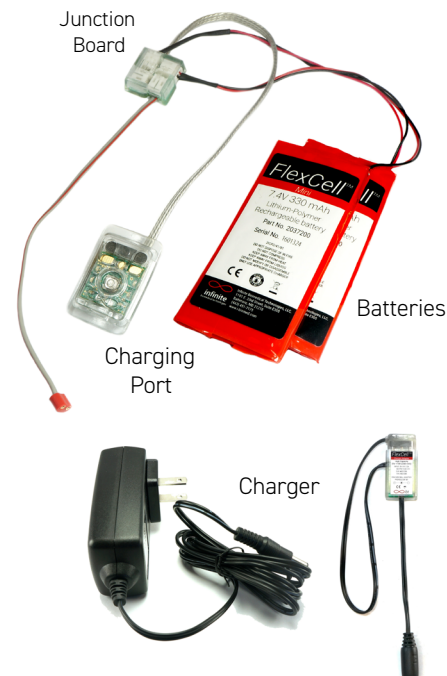
It depends on the device(s) they are powering and the user's activity level. Users with multi-articulating hands can last a day with 2200mAh. We do offer a car charger too for charging on the go.

3. How much can I bend the batteries?

The FlexCell kit comes with a bending guide, which specifies the maximum bend radius.

4. How do I know the batteries are charging vs fully charged?

While charging, the charger turns on a green light. Once charge is complete, the green light will turn off.



Suggested L-Codes

Feature	Suggested L-Codes	Quantity	MSRP	Total
Lithium Ion Battery Replacement	L7367	1-4*	\$400	\$400-\$1600*
Electric Switch	L6611	1	\$500	\$500
Lithium Battery Charger Replacement (for car charger or extra wall charger)	L7368	1	\$450	\$450

*FlexCell battery systems come with between one and four cells based on customer needs. Even if 4 FlexCells are ordered there is no guarantee that this code can be used 4 times.