

# FlexCell Quickstart Guide

**BEFORE OPERATING, PLEASE READ THESE INSTRUCTIONS AS WELL AS THE MANUAL ON THE THUMBDRIVE**

## What's in the Box



FlexCell / FlexCell Mini



Wall Adapter



Charging Port



Flanges



Charger Adapter

Thank you for purchasing FlexCell.

The FlexCell system consists of flexible lithium polymer gel batteries, allowing practitioners to conform the battery to the inner surface of the prosthesis shell.

FlexCell is only meant to power upper-limb prosthetic terminal devices that accept 7.4V input voltages.

### TECHNICAL SPECIFICATIONS:

Capacity (per battery):	550 mAh (FlexCell) 330 mAh (FlexCell Mini)
Output Voltage:	7.4V DC
Current Output:	7A (Maximum) / 5A (Continuous)
Dimensions (LxWxH):	4.9" X 1.57" X 0.08" (FlexCell) 3.25" X 1.57" X 0.08" (FlexCell Mini)
Weight:	31 g / 1 oz (FlexCell) 17 g / 0.6 oz (FlexCell Mini)
Temperature range:	0°C to 49°C (32°F to 120°F) (use, storage, and transport)
Humidity range:	0% to 90% (use) 0% to 95% (storage and transport)
Expected service life:	500 charges / ~2 years

### SAFETY AND WARNINGS:

- Do not expose FlexCell to liquids.
- Do not excessively bend FlexCell. Refer to bend radius guide. Only bend FlexCell 550 mAh as per bend radius guide.
- Do not compress FlexCell.
- Do not modify or disassemble FlexCell.
- Use only chargers provided by IBT.
- Do not wear prosthesis while charging FlexCell.
- Do not expose FlexCell to heat sources.
- Discontinue use if FlexCell performs abnormally.
- Contact IBT for FlexCell disposal/recycling.
- Only connect IBT batteries to charging port.

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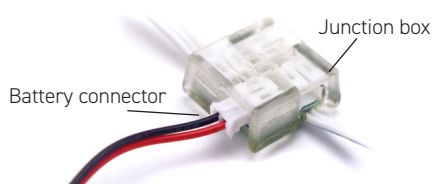
## INSTALLING THE CHARGING PORT FLANGE

Use the provided flange as a guide to cut or mold a hole for the charging port in the prosthesis shell. The flange may be glued in. Insert the charging port through the inside of the prosthesis shell and snap into the flange.



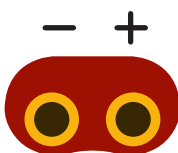
## INSTALLING THE BATTERIES

FlexCell can be placed anywhere within the prosthesis shell. Take care to avoid pressure points on battery packs and follow all safety precautions noted on the previous page. Consult the bend radius guide provided in FlexCell Instruction for Use.



## CONNECTING THE BATTERIES AND TERMINAL DEVICE

Connect the battery connectors to the junction box of the charging port. It is designed to only connect in one orientation. Check connector orientation if it does not plug in easily.



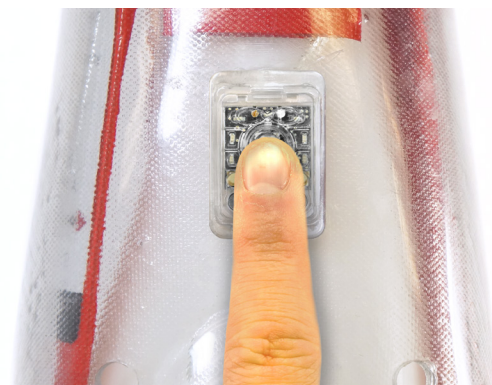
Connect the output connector on the charging port to the terminal device. Pay attention to the polarity of the output connector. Polarities for available output connector options are depicted on the left.

2-Pin Kidney-style connector

## OPERATING FLEXCELL

Press and hold the charging port button for 3 seconds to turn the prosthesis both on and off. Seven blue LEDs will illuminate clockwise around the button. Press and hold the button to turn it off again.

Tap the charging port button to check the remaining battery charge. When the LEDs blink, the device is powered off.



## CHARGING THE BATTERIES

Connect the charger adapter to the wall adapter block, then plug the wall adapter block into a standard wall outlet. Remove the magnetic connector from the charger adapter attachment point and place it over the charging port's charging pads. It will magnetically snap onto the charging port. A green light will turn on in the charger to show that the batteries are charging. The green light will turn off when the batteries are finished charging. Remove the magnetic connector to stop charging.