



# The BinderFree FE™ Anode: The Revolutionary Battery Solution

## Introduction

This patent-pending **BinderFree FE™** anode represents the cutting edge of battery technology, delivering superior performance, safety, and reliability. The BinderFree FE™ anode is the ideal solution for anyone looking to create safer, more powerful, and longer-lasting batteries. It is sure to revolutionize the way we power our lives. Here are the superior features, benefits, and applications of this revolutionary anode:

## Features

- **Raw material:** Made from naturally abundant and cheap raw materials.
- **Capacity:** Higher capacity than graphite and graphite/silicon anodes.
- **Safety:** Safer than lithium metal anodes.
- **Expansion:** Lower volume expansion than silicon anodes.
- **Strength:** Strong mechanical integrity. **Stability:** Higher thermal stability.
- **Rate:** Faster charging. **Life:** Longer cycle life.



Figure 1: BinderFree FE sample

## Benefits

- **More power:** With higher capacity than graphite and graphite/silicon anodes, the BinderFree FE anode can deliver more power, making it perfect for applications that demand high performance.
- **Greater safety:** The BinderFree FE anode is much safer than lithium metal anodes, which are known to be unstable and prone to overheating. Its lower volume expansion than silicon anodes also means that it is less likely to suffer from dangerous swelling or other issues.
- **Improved durability:** Thanks to its strong mechanical integrity, higher thermal stability, and longer cycle life, the BinderFree FE anode will last longer and perform better than other anode materials.
- **Greater efficiency:** With faster charging, your batteries will be recharged or “ready to go” in less time, making them ideal for busy professionals or anyone who needs to stay connected on the go.

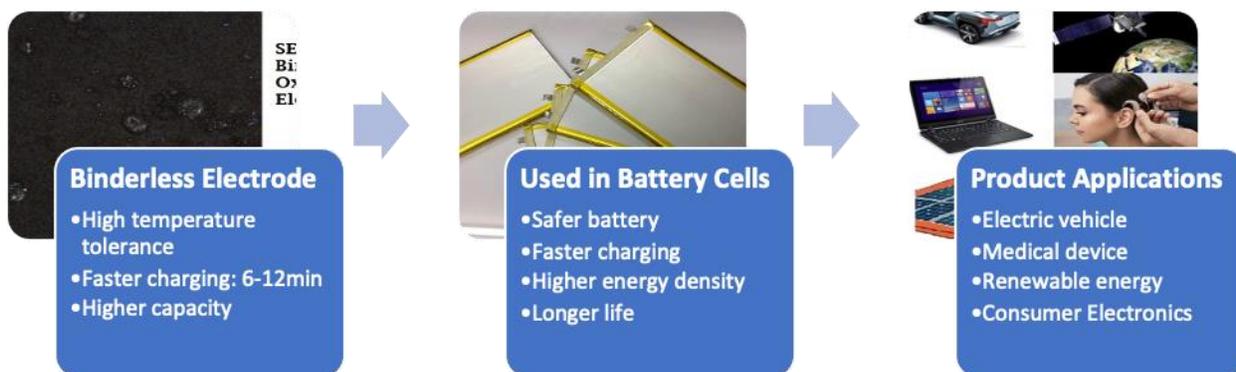


Figure 2: Binderless Electrode Application Flow Diagram: From electrode into cells through battery modules/packs used inside products.

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