Self charging sodium ion battery for wearable insulin pods (omnipods)



Flammable, overheating &

Insulet is recalling the Omnipol DASH Insulin Management System's Personal Diabetes Manager (If EleGSING ITOXIC GGS: ON

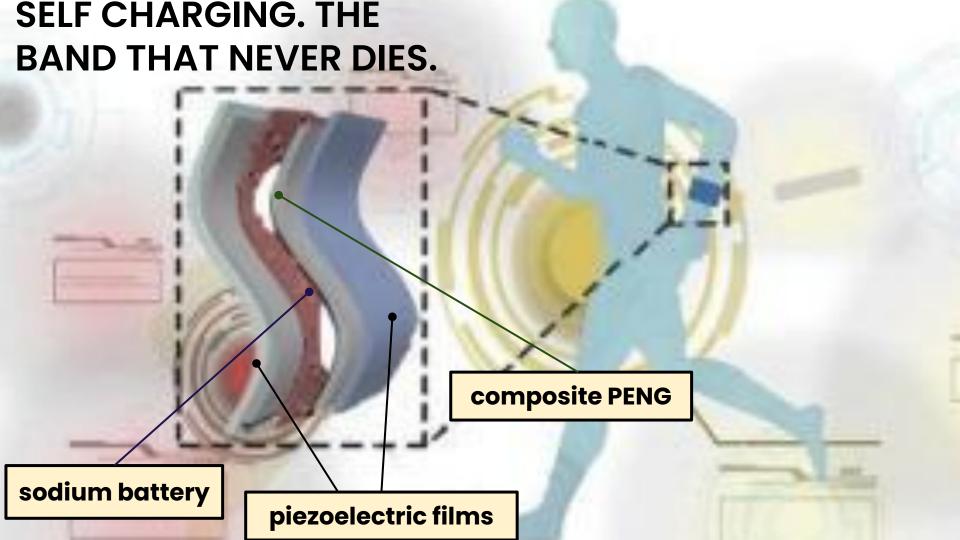
- Battery swelling burning.
- That's why Li batteries must be replaced in these pods.
- Extreme overheating that may pose a fire hazard

Users could be exposed to battery fluid and extreme heat, including the potential for an explosion and/or fire, which could lead to serious injury or death.

Insulet reports 455 complaints involving these battery issues, including three fires. There have been no reports of injuries or deaths.







Lighter weight. More energy.

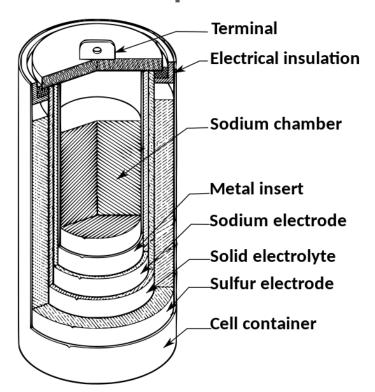
properties and perks.

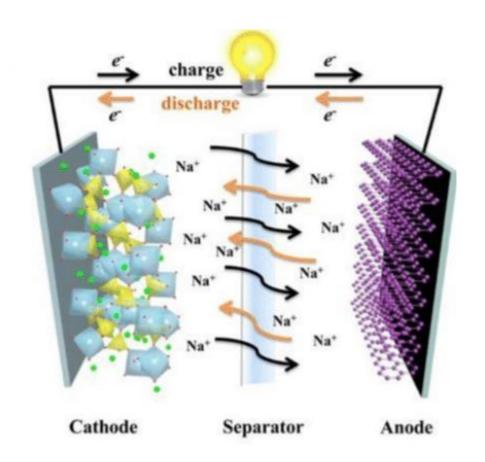
Flexible outer layers, upon the application of regenerative static mechanical stress.

Reduced dependency on electrical chargers, mitigated environmental and personal safety risk for patients. Charged by 0.65 V just from random bending.

Safe. Convenient. Accessible.

static mockup.







Problems to overcome in the next 3 years

- level of energy density ↑
 - cycle life ↑
- Power output per unit mass ↑
- maximum operating voltage



