



**MODERNIZATION SOLAR**

# **Solar container battery FPC**





## Overview

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Wearable electronic devices demand monolithic solar rechargeable batteries that directly convert photon energy into electricity. Solar rechargeable batteries consist of an active material with electron-hole se.

What is battery FPC?

Battery FPC is a type of flexible printed circuit, is specifically engineered to establish a connection between a battery and other electronic elements within a device. Compared to conventional rigid circuit boards, Battery FPC offer many benefits.

What is the capacity of FPC-Pani-based solar battery?

We fabricated an FPC-PANI-based solar battery that exhibited photo-enhanced capabilities of 300 % at a high C-rate, with a high capacity of 310 mAh g <sup>-1</sup> and a capacity retention of 91.3 % for 2000 cycles upon light irradiation.

How a fiber-shaped FPC-Pani battery was solar charged?

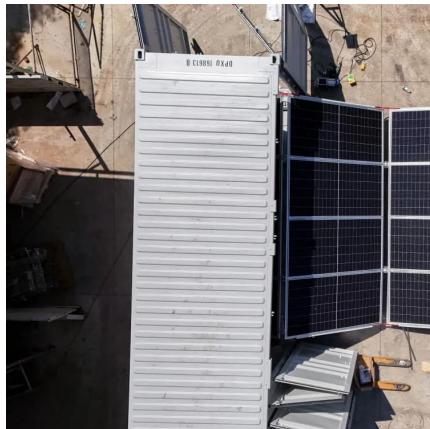
The fiber-shaped FPC-PANI battery was solar charged by recording open circuit voltage (OCV) response under light irradiation for 10 h and discharged by applying discharged current afterwards. 3. Results and discussion 3.1.

What is a container energy storage system?

Container energy storage systems are typically equipped with advanced battery technology, such as lithium-ion batteries. These batteries offer high energy density, long lifespan, and exceptional efficiency, making them well-suited for large-scale energy storage applications. 3. Integrated Systems



## Solar container battery FPC



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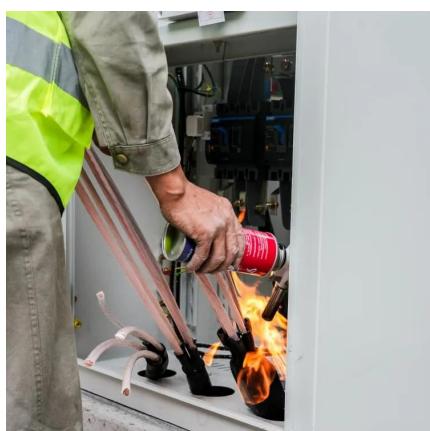
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