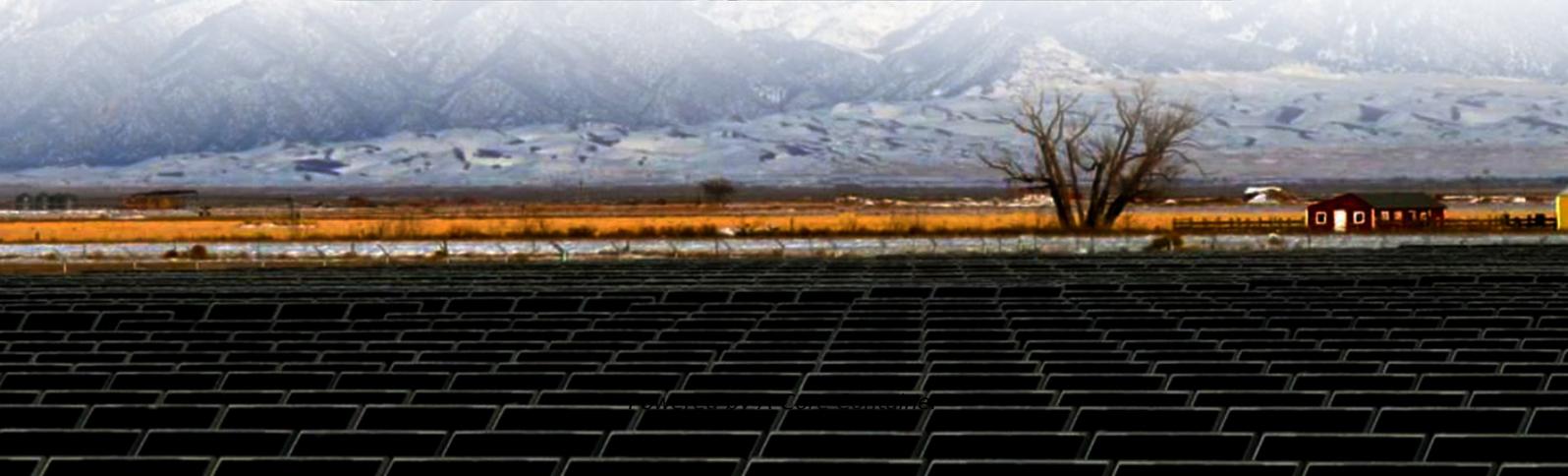


A-Core Container

The development of foreign communication base station batteries



Overview

Can repurposed EV batteries be used in communication base stations?

Among the potential applications of repurposed EV LIBs, the use of these batteries in communication base stations (CBSs) is one of the most promising candidates owing to the large-scale onsite energy storage demand (Heymans et al., 2014; Sathre et al., 2015).

How can cooperation reduce the cost of a battery?

Consequently, cooperation along the life cycle can be considered to reduce this cost, in which battery manufacturers, automakers, EV consumers, infrastructure constructors and other actors can become integrated and possibly form alliances.

Which stakeholders should bear the environmental burdens of battery recycling?

Since battery recycling occurs at the end of the secondary use in CBS, stakeholders in the reusing sector should bear the environmental burdens of recycling. In this case, the two allocation factors α and β are respectively set to 0 and 1.

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