

ContainerPower Energy Solutions

Communication base station batteries in Mongolia



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).

What is battery management system (BMS)?

The battery management system (BMS) provides monitoring and manages the charge/discharge processes of the batteries. Fig. 2. (a) Schematic diagram of the CBS power supply system, (b) composition of DC power supply system of CBS.

Does secondary use of lithium ion batteries reduce the MDP value?

The findings of this study indicate a potential dilemma; more raw metals are depleted during the secondary use of LIBs in CBSs than in the LAB scenario. On the one hand, the secondary use of LIBs reduces the MDP value by extending the service life of the batteries, although more metal resources are consumed during the repurposing activities.

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