



# Environmental impact assessment of batteries for communication base stations

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This study conducts a comparative assessment of the environmental impact of new and cascaded LFP batteries applied in communication base stations using a life cycle assessment ...

Yang et al. 27 used LCA to study the environmental feasibility of reusing waste LIBs in communication base stations. The results show that in all selected categories, the secondary use of EV LIBs has ...

The environment risk assessment was presented in this paper particularly, the framework of environmental risk assessment on lead-acid batteries was established and methods for analyzing ...

Life cycle assessment (LCA) is used in this study to compare the environmental impacts of repurposed EV LIBs and lead-acid batteries (LABs) used in conventional energy ...

As an important part of electric vehicles, lithium-ion battery packs will have a certain environmental impact in the use stage. To analyze the comprehensive environmental impact, 11...

Life cycle assessment (LCA) is used in this study to compare the environmental impacts of repurposed EV LIBs and lead-acid batteries (LABs) used in conventional energy storage systems (ESSs) of CBSs.

Nov 1, 2024 &#183; This study conducts a comparative assessment of the environmental impact of new and cascaded LFP batteries applied in communication base stations using a life cycle ...

Second-life use of electric vehicle lithium-ion batteries (LIBs) is an inevitable trend; however, battery performance degradation increases environmental loads.

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