

Battery Life Cycle for IMC Trolleybuses

In-motion charging battery management

An analysis of IMC trolleybus batteries

Understanding and managing the entire life cycle of IMC trolleybus batteries is no longer a technical footnote, but a critical strategic imperative for public transport authorities and operators.

This Report provides a comprehensive analysis of the IMC trolleybus battery life cycle, from initial procurement and daily operation to end-of-life repurposing and recycling. Its purpose is to equip stakeholders with the knowledge required to maximise operational efficiency, optimise economic performance, and ensure environmental sustainability.

A well-managed system ensures maximum utility, extends service life, and supports a circular economy through second-life applications and material recovery.

- Technical specifications of batteries
- Primary degradation factors to look out for
- End-of-Life Management strategies
- How to optimise battery practices & policy



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→ A trolleybus in
Guangzhou, China.