

# Batteries and inverters for passenger trains

Battery trains reduce carbon emissions and noise, improve air quality at stations, lower maintenance costs and enable flexibility on electrification, ...

Mar 14, 2019&ensp;&#0183;&ensp;Saft MSX nickel-technology battery systems will provide onboard critical backup power for 130 new trains on Lines 5, 8 and 9 of the Chengdu Metro. Multi-million-euro order ...

Oct 13, 2023&ensp;&#0183;&ensp;In passenger rail and metros on-board trains, the batteries must be designed for the utmost safety - to ensure security systems, lighting and communications are always ...

Mar 21, 2025&ensp;&#0183;&ensp;Below this threshold, current battery-powered and hydrogen trains cost significantly more to operate than diesel - and both regional passenger transportation and ...

Nov 16, 2023&ensp;&#0183;&ensp;KIEL, Germany -- The first of what will be multiple fleets of new battery-electric multiple-unit, or BEMU, trainsets have entered ...

Jun 9, 2021&ensp;&#0183;&ensp;Rail is a very low-carbon form of transport for both passenger and freight service. However, railway electrification requires large ...

Sep 17, 2025&ensp;&#0183;&ensp;Traction batteries bring unmatched flexibility, reduced emissions and compatibility with partial electrification. Whether powering hybrid configurations or enabling fully battery ...

Feb 26, 2025&ensp;&#0183;&ensp;The first battery- and electric-powered train cars will debut on Metro-North Railroad, Gov. Kathy Hochul announced this week. On ...

Apr 8, 2024&ensp;&#0183;&ensp;Innovative technology along with even more climate protection and greater comfort and convenience for passengers - regional rail transport on Network 8 ("Ortenau") is rising to ...

Oct 17, 2024&ensp;&#0183;&ensp;Explore the advancements in rail battery technology that enhance railway efficiency. Discover the benefits of railway battery ...

Apr 8, 2024&ensp;&#0183;&ensp;Innovative technology along with even more climate protection and greater comfort and convenience for passengers - regional rail ...

Feb 4, 2025&ensp;&#0183;&ensp;Explore ABB's cutting-edge technologies for railway operators and manufacturers, ensuring reliable and efficient transport solutions.

## **Batteries and inverters for passenger trains**

Nov 17, 2025&ensp;&#0183;&ensp;Battery trains are gearing up to replace much of Britain's ageing diesel fleet. Andrew Wade reports on the technology set to power the transition. Siemens Mobility's battery ...

Sep 7, 2021&ensp;&#0183;&ensp;Successful battery technology research project in cooperation with the Technical University of Berlin sets the course for alternative rail ...

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