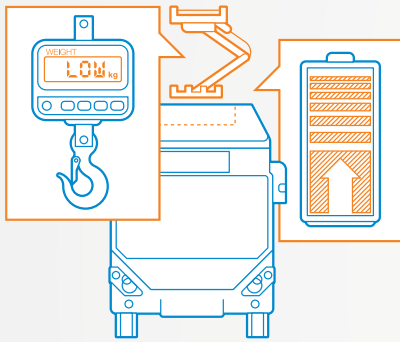


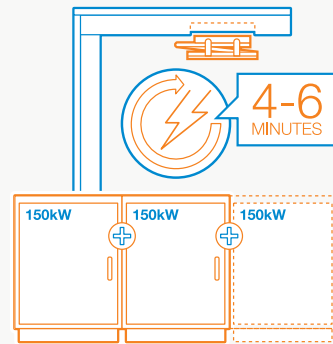
ABB's automated fast charging system for electric buses

Enabling large scale adoption of zero emission buses, thus improving life in cities



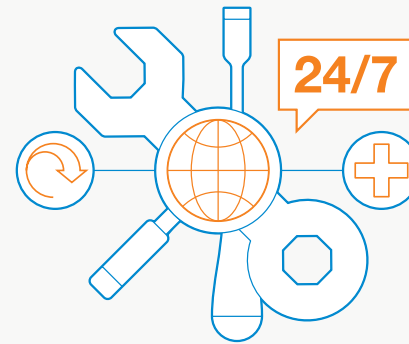
Easy to integrate into existing bus lines

The inverted pantograph enables the use of a low-cost and low-weight interface on the roof of the bus allowing bus manufacturers to reduce the vehicle's weight and cost, and improve its energy efficiency.



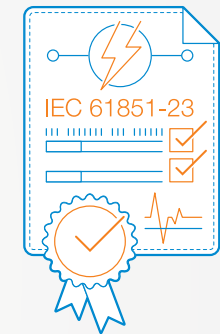
Modular design to multiply power options

The modular design, offering charging power of 150kW, 300kW or 450kW, provides any city bus with enough energy in only 4-6 minutes to run its inner-city route 24/7.



Maximum availability with fast service

ABB's proven suite of connectivity features, including remote diagnostics, remote management and over-the-air software upgradability enables maximum availability, high uptime and fast service response.



Future-proof international standard

ABB's automatic charging system is based on IEC 61851-23, the international standard for fast charging of electric vehicles, ensuring the appropriate safety systems are in place, the electrical design is in accordance with regulations, and the systems architecture and working principle are supported by wider automotive community in the future.