

Arctic Whisper Fast Charged Hybrid Bus



The Arctic Whisper e-Traction bus is billed as the world's first fast-charged hybrid bus. Its developers say it combines the zero local emissions benefits of an electric bus with the reliability of a diesel... The Busbaar - charging station provided by Opbrid is located at one end of an Umea bus route and fast charges the bus for a few minutes at the end of each trip, thus extending the all-electric range of the e-Traction hybrid bus to 18 hours. And, since this is a serial hybrid bus with a backup diesel generator, the bus can continue running on diesel or bio-diesel in case of brown-outs, traffic jams, or very cold weather...

The 300kW charging station developed by SCHAEFER allows the ultra fast charging in 3-10 min of Lithium Ion Batteries on board of these electrical busses successfully tested in Umea (Sweden) in the "Artic-Whisper" prototype busses



- Modular and expandable power capability
- N+1 redundancy concept: fully redundant & fault tolerant
- Output voltages available up to 1000 V
- Control and adjustability of electrical parameter
- Easy system expandability up to 1 MW by adding additional fully wired 100 kW enclosures
- Use of standard industrial power modules with proven design up to 40 kW
- Operation at extreme low temperature up to -40°C
- Additional customised options CAN/Modbus Interface
- Customisation of system for individual requirements

