

SwissTrolley® 19 DC



BERNMOBIL, Bern

a smart bus system



MOTION & EMOTION

HESS

SwissTrolley® 19 DC

Thanks to the locally emission-free electrical drive, HESS trolleybuses are the ideal means of transport for high-density city traffic. As powerful as they are, they are quiet, sparing in their energy consumption and returning recuperated braking energy. With its generous riding and seating comfort and ease of entry the SwissTrolley® is as highly appreciated by bus companies as it is by passengers. Thanks to innovative, patented trolleybus technology, with 2-axis drive and intelligent control, it impresses even in winter and topographically difficult conditions.

A project of:	BERNMOBIL
Vehicles:	14 SwissTrolley® 19 DC
Total capacity:	144 + 1 (6p/m ²)
Bus body:	Aluminum system CO-BOLT®
Steering:	Electrohydraulic
Traction:	Electrical on axles 2 + 3 Permanent magnet motors, liquid-cooled
Energy recovery:	Yes
Energy storage:	Yes, incl. smoothing of current peaks
Regular service without catenary:	up to 30 % per circulation
Operational service without catenary:	up to 30 km
Heating / Cooling:	100% electrical: fully automatic heating and air conditioning
Length, Width, Height:	approx. 18,7 m, 2,55 m, 3,5 m
Driver's area:	Compatible with VDV
Homologation:	Standard trolleybus EN 50502 Battery vehicles ECE R100
Plug charge:	HESS Trolley Charging Station 400 V AC, 20 kVA
Pantograf charge:	Conductive energy supply type DC (Dynamic Charging) while driving, 600 V / 750 V

