



Autonomous eTrolley: Driverless Delivery

The future belongs to driverless transportation logistics! Reliability, safety, and increased efficiency are just as decisive in the effectiveness of these systems as reduced cost and increase flexibility.

KYBURZ Switzerland provides a solution to modern logistics needs with its new Autonomous eTrolley!

Logistics without accompaniment

The KYBURZ autonomous eTrolley transports goods and provides logistics services on pre-defined routes. One click sends the eTrolley on its way to and from a wide variety of user-defined indoor and outdoor targets. On arrival an electronic lock is opened and the loading hatches may be used without the risk of theft.

Logistics with increased safety

Eight different sensors (including LIDAR, 360° cameras, ultrasonic range and GPS) monitor the environment in real-time to detect and avoid hazards. The autonomous eTrolley is programmed to share the roads and pedestrian ways respectfully, and communicates its intentions with other vehicles and people using various audio and visual channels. In the unlikely event of sensor failure the autonomous eTrolley is guaranteed fail-safe through a sensitive fender and/or e-stop cord which cut power to the motors.

Logistics with power

The high-torque differential drive motors installed on the autonomous eTrolley enable it to climb grades up to 30%. Its high ride height combined with patent-pending passive actuator curb control allow the vehicle to climb curbs up to 12cm high without human intervention.

Heavy-duty logistics

Whether with an element-sealed box, normed pallets, or with multiple loading levels the autonomous eTrolley can be outfitted with customer-required storage systems. The vehicle can carry up to 120kg in all configurations.

Swiss quality

The autonomous eTrolley is a robust example of high engineering standards born of decades of electric vehicle design from the KYBURZ team. It has been produced to serve customers reliably for many years and complies with relevant industry norms.



The autonomous eTrolley: ready for service

Flexibility in operation

The autonomous eTrolley can be driven in three different modes: either fully autonomously from origin to destination, by hand or in follow-me mode to accompany a postal delivery worker, or remotely controlled to navigate unfamiliar territory.

Performance specifications

Top speed	6 km/h
Range	40 km
Climbing capability	up to 30 %

Powertrain technologies

Batteries	LiFePO ₄ / 80 Ah
Charging time	10 hours
Motors	DC 24V / 0,7 kW

Measurements

Vehicle dimensions LxWxH	160/70/145 cm
Curb weight	90kg incl. batteries
Load capacity	120kg

Test the autonomous eTrolley

Contact us to experience the simple controls and discuss improving the efficiency of your operations either in Freienstein or the desired operating environment.

We reserve the right to change technical and/or price information.
This document is accurate as of October 2017.

