

e.bike
W A L L

E-bike charging solution for resorts, hotels, guesthouses, shops etc.

Charging station for electric bikes designed for wall mounting with a selectable number of charging points and connector types. Designed for maximum comfort, safe operation and maintenance-free operation.

Characteristics

- Suitable for indoor and outdoor use
- Custom graphic design available upon request
- Compatible with most types of e-bikes operated in Europe
- Made in the Czech Republic from sustainable materials

Equipment

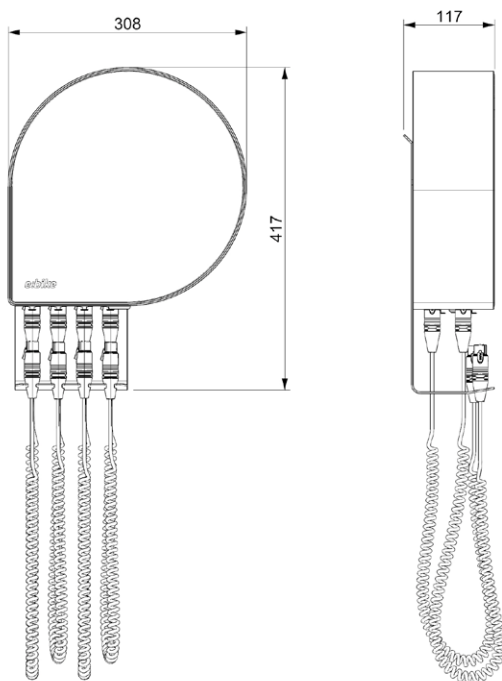
- Autonomous operation without the need for supervision
- Option of removable interchangeable cables with various charging connectors, or fixed cables with the holder



IONT
t e c h

The station is an ideal solution for charging electric bikes of any type in both public and private buildings. The device is designed for simultaneous charging of up to four e-bikes. The type of output connectors can be configured according to the customer's requirements.

Basic dimensions incl. cables holder:



e:bike
W A L L

Specifications

Output voltage	42 V DC (for 36 V battery systems) 54,6 V DC (for 48 V battery systems, SELV definition)
Input voltage	230 V AC
Number of charging cables	1-4
Circuit breaker	10 A, characteristic B
Protection	IP 54
Weight	13-16 kg
Operating temperature	-30 °C až + 50 °C
Status indication	RGB optional
Charging Sources and Connectors	UNiversal (Jack 2.1, XLR3, Rosenberger/Energybus) Bosch Active/Performance (2-6 A) Bosch Smart (2-6 A) Shimano Steps (2 A, 4 A)

The charging station is designed for electric bikes /batteries/ working with 36 V voltage /that is about 98% of all electric bikes on the European market/.

The e:car WALL can be equipped either with fixed cables and holders for when not in use, or with interchangeable cables connected via a unique magnetic socket. In such case, the device can be supplied with or without a cable holder.

The station is prepared for the possible future unification of charging connectors within the EU!



How long does it take to charge an e-bike?

What are the charging costs?

Charging time depends on the battery type and capacity as well as charging current. Below is an approximate time and cost of charging (at 0,2872 €/kWh*) for charging from 20% to 80% depending on battery capacity:

Charging current		Battery capacity		
		350 Wh	500 Wh	750 Wh
Charging times 20-80%	2 A (slow)	1 hr.	1,5 hr.	3 hr.
	4 A (medium)	0,7 hr.	1 hr.	2,1 hr.
	6 A (fast)	0,5 hr.	0,8 hr.	1,5 hr.
Energy consumption (kWh)		0,21	0,3	0,45
Charging cost (0,2872 €/kWh)*		0,0603	0,0861	0,1292

* Source: Eurostat, Electricity price statistics



Frequently Asked Questions (FAQ)

Can charging be monetized?

Yes, technically it is possible – by payment via QR code or by integrating a payment terminal. However, the cost of the payment transaction usually exceeds the cost of charging itself.

Why provide free charging to e-cyclists?

If you own a bistro, restaurant, snack stand, etc., the cost of purchasing and operating the station will be offset by increased customer consumption. Moreover, you increase your visibility by listing the charging point on online maps.

What does installation involve?

Wall mounting is simple, requiring three screws and a standard 230 V connection with a separate 10 A circuit breaker (type B). Alternatively, the station can be placed on a supplied stand.

What can your station look like?

The front panel design can be customized according to customer requirements, matching the visual style of the location or development project (colors, information, logos, etc.). At no extra cost, the station is supplied with one of two standard designs: Bloom or Blue Lagoon.

Example 1 Developer project with magnetic sockets, without cable holder



Bloom
Brown



Blue Lagoon
Blue

Example 2 Private investor installation with magnetic sockets and cable holder



Example 3 Guesthouse installation with magnetic sockets, without cable holder

