e:bike
BAR

DESIGN AWARD 2025



Electric bike charging solution for restaurants, guest houses, bike parks and more

The unique e:bike BAR charging station seamlessly integrates multi-bike charging directly into the stand, regardless of bike type or size. There's no need to worry about whether it's a road or enduro e-bike—or even a conventional bicycle versus an e-bike.

- suitable for interior and exterior
- designed for simultaneous charging of up to 8 e-bikes
- available in configurations with or without integrated charging
- compatible with most e-bike models in Europe
- with interchangeable or fixed charging cables

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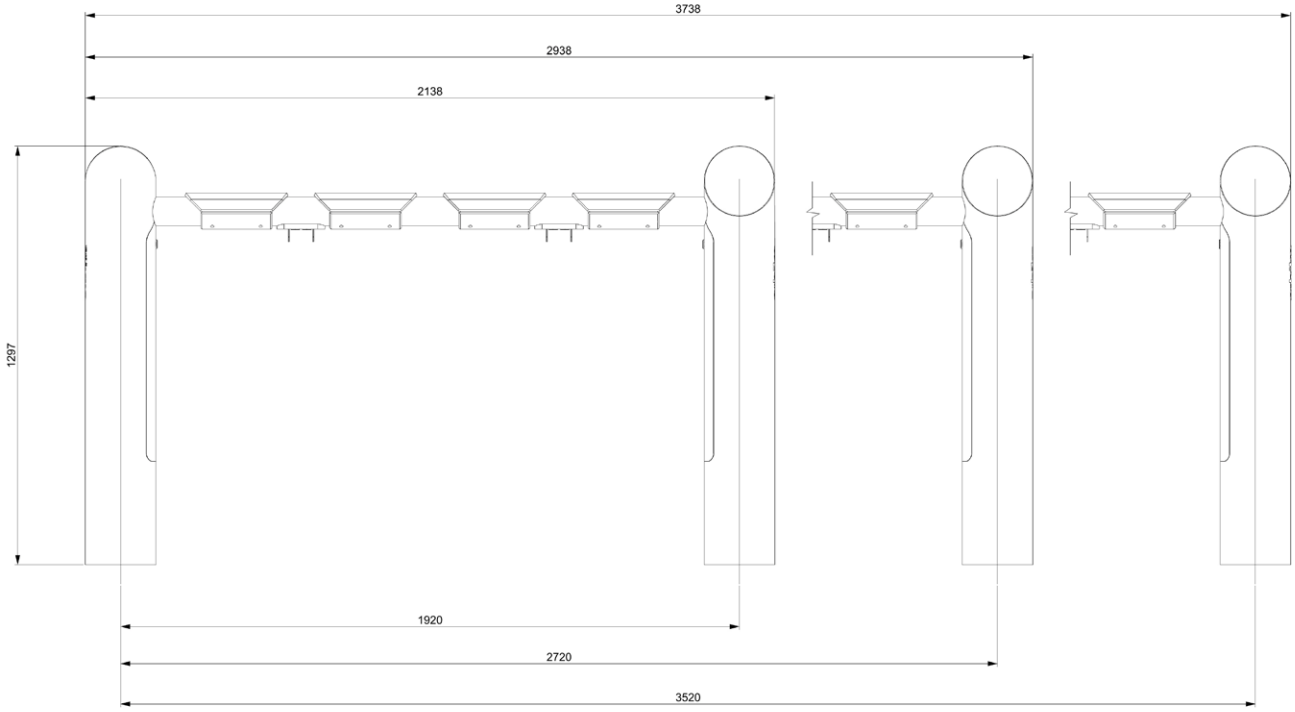
The station is an ideal charging solution for all types of e-bikes in both public and private venues, such as restaurants or bistros along cycling routes. While charging is typically offered free of charge, the minimal cost is quickly offset by increased customer spending. Depending on energy tariffs, charging costs only a few euro cents per session.

The charging station comes standard with universal power supplies (non-communicating). These can be upgraded to smart, communicating power supplies from Bosch or Shimano STEPS featuring variable charging profiles (2–6 A).

Built standard for 36 V nominal battery systems, custom 48 V power options are also available upon request.

Future-proof design: fully prepared for upcoming EU charging connector standardization!

Specifications	
Max. 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
Nr. of charging cables	1-8
Circuit breaker	10 A, characteristic B
Protection	IP 54
Operating temperature	-30 °C to + 50 °C
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)



Proudly designed and manufactured in Central Europe, with respect for the environment.

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

What are the charging costs?

Charging time depends on battery type, capacity, and the charging current. Below are estimated charging times and costs (based on €0.2872/kWh) to charge a battery from 20% to 80%:*

	Charging current	Battery capacity		
		350 Wh	500 Wh	750 Wh
Charging times 20-80%	**2 A** (slow)	1 hr.	1.5 hrs.	3 hrs.
	4 A (medium)	0.7 hr.	1 hr.	2.1 hrs.
	6 A (fast)	0.5 hr.	0.8 hr.	1.5 hrs.
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—via QR code payment or an integrated payment terminal. However, transaction fees often outweigh the actual cost of electricity.

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 spending. Moreover, you increase your visibility by listing the charging point on online maps.

What does installation involve?
The station mounts to a prepared concrete foundation using threaded rods and the included template. It requires a standard 230 V power supply with a dedicated 16 A (Type B) circuit breaker. Professional installation by a qualified technician is strongly recommended.

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Installation examples and details













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