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Operating instructions

E-Bike Charging Station **BCS Pure** / **BCS Smart**

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About these instructions

Before operation, carefully read through these instructions and keep them in a safe place.
Hand over to the user if the product is sold. It is available in the download area at **www.spelsberg.de**.
The BCS Smart variant also allows monitored and controlled charging as well as optional navigation to registered charging stations via the free **BCS Finder** app for Android & iOS.

Explanation of the symbols



Warning

Safety instructions: Non-compliance may result in death or serious injuries.

- ▶ Escape from danger.



Caution

Safety instructions: Non-compliance may result in minor injuries.

- ▶ Escape from danger.



Attention

Non-compliance may result in property damage.

- ▶ Avoid damage.

Safety instructions

The operating company is responsible for the correct and safe state of the E-Bike charging station at all times, and must check the E-Bike charging station at regular intervals (see maintenance in the assembly / operating instructions of the E-Bike charging stations BCS).

The manufacturer is not liable for damage that result from incorrect use, e.g.:

- Assembly and connecting errors
- Damage to the product caused by mechanical influences and incorrect supply voltage
- Modifications to the product without the explicit approval of the manufacturer
- Use for other purposes other than those described in the instructions

General safety



Warning

Danger to life due to electric shock

- ▶ If the charging station has visible damage, do not put it into operation.
- ▶ If the connecting cable of this charging station is damaged, in order to avoid hazards have it replaced by the manufacturer, their customer services or a person with similar qualifications.

Health hazard

- ▶ Do not use the charging station at outside temperatures below 0 °C or above +40 °C.
- ▶ In case of fire, do not extinguish the cover of the E-Bike charging station. Use extinguishing agent only approved for electronic devices. Do not use water for extinguishing.
- ▶ This device can be used by children from 8 years of age and persons with restricted physical, sensory, or mental capabilities or with lack of experience and knowledge unless they are supervised or have received instructions on the safe use of the device and are aware of the resulting hazards.
- ▶ Children must not play with the device.
- ▶ Cleaning and user maintenance may not be carried out by children without supervision.
- ▶ Do not leave your vehicle unsupervised when charging.

Safety when handling rechargeable batteries



Warning Health hazard

When handling rechargeable batteries incorrectly, there is a risk of fire, explosion and a caustic hazard!

- Read and observe the instructions and safety instructions in the operating instructions of your LEV manufacturer, the manufacturer of the rechargeable batteries, the drive unit and on-board computer.

Intended Use

Depending on the version, E-bike charging stations are suitable for direct charging of LEVs (Light Electric Vehicle, e.g. E-Bikes, E-Scooter, Pedelecs) with the following rechargeable batteries:

- Bosch Active Line, Active Line Plus, Cargo Line, Performance Line, Performance Line CX
- Shimano BT-E6000, BT-E6001, BT-E6010, BT-E8010, BT-E8020

Moreover, LEV rechargeable batteries of other manufacturers can also be charged if the respective external charger is connected to a 230 V socket. The maximum charging current at the 230 V socket is 2.5 A.

Operation elements and connections

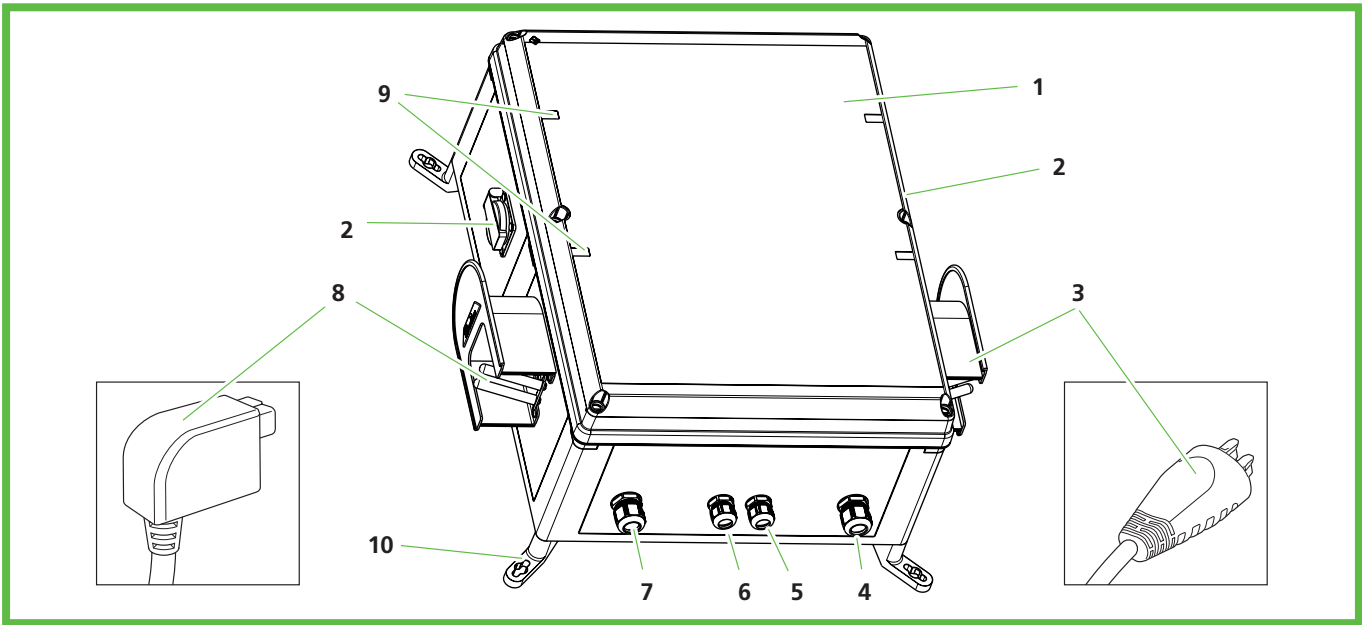


Fig. 1: Overall view

Pos. no..	Description
1	Housing cover
2	230 V socket with child lock (one on each side)
3	System connector, e.g. Bosch or Shimano, depending on the equipment
4	BCS Smart only: supply line for LAN connection
5	Supply line for rechargeable battery-specific system connector
6	Supply line for rechargeable battery-specific system connector
7	Mains connection
8	System connector, e.g. Bosch or Shimano, depending on the equipment
9	LED status display
10	External fixing lugs

Under the cover, there are LEDs that display the status of the respective charging point.

LED	Status
Off	Charging point off
Green	Charging point ready or charging process finished
Green/flashing	Charging process running
Red	Fault at charging point

Operation



Warning

Risk of burns from overheated rechargeable battery

During charging, the rechargeable battery of your LEV heats up

- ▶ Make sure that the maximum temperature of the rechargeable battery is not exceeded (see manual of the rechargeable battery manufacturer).



Attention

Risk of damage

The charging station and the rechargeable battery can be damaged by incorrect operation.

- ▶ Compare the voltage output on the rating plate of the rechargeable battery with the respective power supply on the charging station.
- ▶ Never pull the plug out of the socket on the connecting cable.
- ▶ Ensure that the cable cannot be loaded by pressing or pulling.

Connecting the rechargeable battery directly



Attention

Risk of damage from electric shock

There is a risk of a short-circuit caused by moisture or if the cable and plug are damaged.

- ▶ Before use, make sure that the supply line, plug and connection socket is clean and dry.
- ▶ Never use the plugs and switches if you have wet hands or your feet are standing in water.

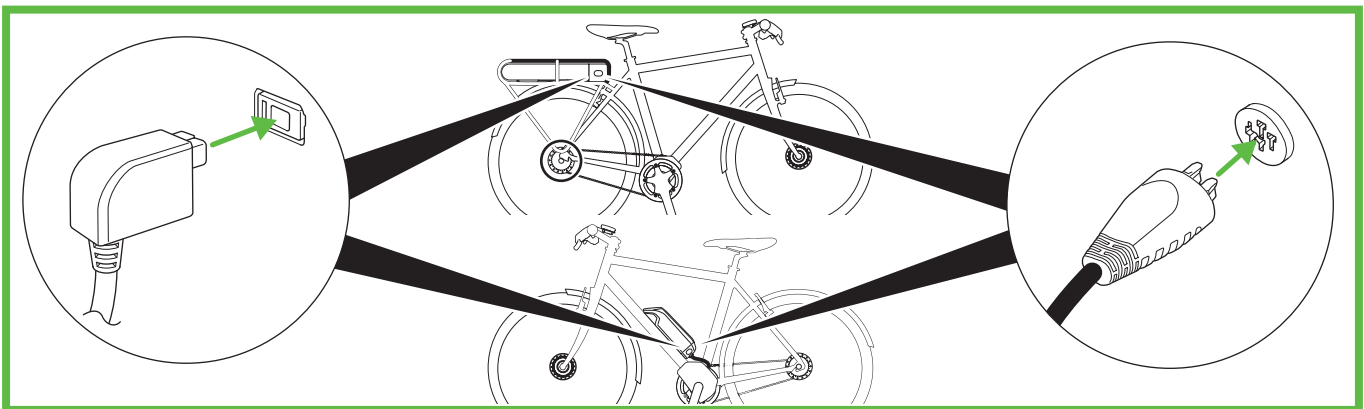


Fig. 2: Connecting the system plug, e.g. Bosch, Shimano or others, depending on the equipment

- ▶ Connect the respective cable to the LEV rechargeable battery (Abb. 2).
- ✓ The LED on the charging station flashes green.
- ✓ As soon as the charging process has finished, the LED at the charging point illuminates green constantly.
- ▶ Disconnect the cable from the LEV rechargeable battery.
- ▶ Wind up the cable three to four times and hang the plug in the holder.

Connecting an external charger



Warning

Danger to life due to electric shock

There is a risk of an electric shock caused by moisture or if the cable and plug are damaged.

- ▶ Before use, make sure that the supply line, plug and connection socket is clean and dry.
- ▶ Never use the connectors if you have wet hands or your feet are standing in water.
- ▶ When connecting the plug, ensure that the connecting cable is not trapped or damaged.
- ▶ Never put an external charger on a moist surface.
- ▶ Never allow the external charger to hang freely from the station on the cable.
- ▶ Observe the manufacturer's instructions of the external charger.



Caution

Risk of burns from the heated external charger.

During charging, the external charger of your LEV heats up

- ▶ Make sure that the maximum temperature of the external charger is not exceeded (see manual of the rechargeable battery manufacturer).
- ▶ **Never** place the charger on a flammable surface or in the vicinity of highly flammable objects.
- ▶ Touch the external charger only after it has cooled down sufficiently.



Attention

The total length of the cable between the charging station and the socket on the bicycle must be less than 3 m.

- ▶ Do not use an extension cable of multiple sockets.
- ▶ Check the length of the cable on the external charger.



Note

The 230 V sockets of the charging station are designed for 2.5 A. If a stronger consumer is connected, the charging station switches off the charging point.

- ▶ Connect the home charger to the socket with earthing contact of this charging station according to the manufacturer's specifications.
- ✓ The LED at the charging point flashes green.
- ✓ As soon as the charging process has finished, the LED at the charging point of the charging station illuminates green constantly.
- ▶ Disconnect the cable from the LEV rechargeable battery.
- ▶ Disconnect the cable from the socket.

Troubleshooting

- ▶ In case of a fault, remove the charging connector from the charging station immediately.
- ▶ Inform the operating company of the charging station about the fault.



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