

Manual

E-Bike / E-Scooter

Parker

420_80BE

420_90BE



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1 Introduction

1.1 Product name and item number

Products name: E-Bike Parker / E-Scooter Parker
Item number 420_80BE, 420_90BE

1.2 Information on the manufacturer

Name: Schake GmbH
Address: Eckeseyer Straße 195, 58089 Hagen
E-Mail: info@schake.de
Phone: +49 (0)2331/38606-0

1.3 Target group

These operating instructions are intended for the following personnel:

- Installation personnel
Personnel who assemble and set up the E-Bike Parker at the place of use.
- Maintenance personnel
Generally the same persons as the installation personnel.

1.4 Life cycles of the E-Bike / E-Scooter parker

The E-Bike Parker undergoes the following life cycles:

- Manufacturing
- Transportation
- Assembly
- Operation
- Maintenance
- Disassembly

2 Safety information

2.1 Intended use

The E-Bike Parker 420_80BE and the E-Scooter Parker 420_90BE are used for parking E-Bikes or E-Scooters and similar transportation vehicles safely as well as a charging station for their batteries.



Figure 1: 420_80BE



Figure 2: 420_90BE

- The charging station is designed for outdoor use, i.e. it is weatherproof.
- The charging station is protected against rain and splashing water (IP54).
- The IP code is only guaranteed when correctly mounted.
- Any other use than previously mentioned may cause damage to this charging station. Furthermore, it is associated with hazards like short-circuit, fire, electric shock, etc.
- It is essential to observe safety instructions and technical data!

2.2 Predictable misuse

The E-Bike and E-Scooter Parker must not be used for purposes other than intended. The following foreseeable misuses are not permitted:

- Use as a barrier
- Self-repair measures

2.3 Symbols and notes

This manual may use the following symbols, signal words and notes to warn of hazards and to ensure safe operation. The symbols are shown and explained below.



WARNING

This signal word marks an immediate danger.
Failure to observe may result in serious injury or death.

2.4 Safety instructions

The devices described have been developed and built according to the current state of the art. The design complies with the European and national requirements of the Low Voltage Directive. Do not carry out any independent modifications regarding to electronic components or repairs to the device. The conformity has been proven, the corresponding declarations and documents are deposited with the manufacturer.

To maintain this condition and to ensure safe operation, you as user must observe information in this manual! It contains important information on commissioning and handling. Also pay attention to this when passing this product to third parties. Therefore, keep this manual for future reference!

2.4.1 Special safety instructions

Installation may only be performed by a qualified electrician who is familiar with the associated regulations and hazards! The installation must be carried out according to the national regulations (VDE 0100)!

- The charging station is only approved for connection to 230 V / 50 Hz. Before connecting to the power supply, make sure the nominal voltage and current specifications match the specifications on the type plate.
- The charging station may only be connected to cables according to section 3.3 "Technical data".
- The charging station must be directly protected with a 16 A fuse or a circuit breaker by manufacturer and a residual current circuit breaker with a maximum of 30 mA must be connected upstream.
- This charging station conforms protection class I and therefore must be connected to the protective earth conductor.
- Always ensure that power supply is disconnected before assembly, cleaning or other activities on the charging station.
- Wear of metallic or conductive jewelry, such as necklaces, bracelets, rings, etc., is prohibited during all operations, including cleaning!

- Under no circumstances cover the charging station by heat-insulating materials!
- Do not attach any additional decoration objects on the charging station.
- Do not use charging station in rooms or in adverse surrounding conditions where flammable gases, vapors or dusts are or could be present..
- Never exceed maximum connected load (see section "Technical data").
- In case of any kind of damage, especially to the housing (tightness!), which no longer permits safe operation of the charging station, the power supply line carrying current must be disconnected from the power supply immediately, the charging station must be taken out of operation and secured against being used again!
- In commercial facilities, the accident prevention regulations of the German Federation of Institutions for Statutory Accident Insurance and Prevention (Verband der gewerblichen Berufsgenossenschaften) for electrical systems and equipment must be observed.
- The charging station has to be mounted on a solid base, e.g. concrete, stone slabs, or similar.
- Do not install this charging station in areas at risk from flooding.
- For safety reasons, the use of metal structures on buildings and furniture as live conductors is not permitted.
- Do not modify or convert the entire charging station!
- Never use abrasive cleaners or solvents for cleaning.

2.4.2 Operation



During operation, note that the E-Bike / E-Scooter Parker includes a power socket for outdoor use. Improper use can cause injury.

The outer housing of the E-Bike / E-Scooter Parker is also grounded.

For safe operation, the user of the E-Bike / E-Scooter Parker must fulfill the following obligations:
Lesen Read and follow the instructions and notes in the operating manual.

!

3 Description of product

3.1 General functioning of the E-Bike / E-Scooter Parkers



Figure 3: 420_90BE

The E-Bike / E-Scooter Parker serves the following applications:

- Parking / securing e-bikes
- Charging of E-bike / - E-scooter batteries

Anwendungsgebiete des E-Bike Parker sind:

- Außenbereiche

3.2 Components

The E-Bike / E-Scooter Parkers consist of following main components:

- Subassemblies made of welded tubes
- Welded base plates for dowelling at the place of use
- Wago clamps for connection to the local power supply system
- Protective power socket
230V socket
- Locking box for securing e-bike charging adapters (optional)

3.3 Technical Data

3.3.1 Dimensions

420_80BE:

Parameter	Unit	Value
Length (L)	[cm]	130
Width (B)	[cm]	70
Height (H)	[cm]	144

420_90BE:

Parameter	Unit	Value
Lentgh (L)	[cm]	130
Width (B)	[cm]	50
Height (H)	[cm]	145

3.3.2 Elektrics

Parameter	Unit	Value
AC voltage (U)	[V]	230

3.3.3 Mechanics

420_80BE:

Parameter	Unit	Value
Mass (m)	[Kg]	40

420_90BE:

Parameter	Unit	Value
Mass (m)	[Kg]	29

4 Installation and assembly

4.1 Requirements for installation personnel

Installation and assembly may only be carried out by qualified personnel.

4.2 Requirements for the installation site

The E-Bike Parker is intended for outdoor installation. Furthermore, the following specifications must be complied.

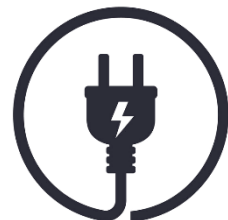
Parameter	Unit	Value
Min. Temperature	[°C]	-20
Max. Temperature	[°C]	+40
Protective conductor resistor	[Ω]	<0,3
Insulation test	[MΩ]	>1,0
Visual inspection		
continuity test of the sockets		

4.3 Installation of the E-Bike / E- Scooter Parkers

For installation, observe the guidelines in section 2.4 "Safety instructions".

The following steps needs to be performed for installation:

Connect the grounding plug of the E-Bike / E-Scooter Parker to a grounding socket for connection to the local power supply.



5 Commissioning

5.1 Requirements for the performing personnel

Commissioning may only be performed by qualified personnel.

5.2 Switching the E-Bike Parker on/off

The voltage supply of the e-bike / e-scooter parker is effected by connecting it to the local power supply by using an earthing contact plug. An extra on/off switch is not provided.

5.3 Set up

Before setting up at the destination, the E-Bike Parker should be connected to 230V AC and to test the sockets.

6 Maintenance and service

6.1 Requirements for the executing personnel

Maintenance and servicing may only be carried out by qualified personnel.

7 Decommissioning / Dismantling / Disposal

The disposal of the e-bike parker must be performed professionally.

8 Protocols / Certificates / Technical Drawings

- Declaration of Conformity by Schake GmbH for the E-bike / E-scooter Parker
- Risk assessment by Schake GmbH for the Parker e-bike / e-scooter
- Technical Drawings