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**Symbols used and their meanings:**



Must be noted. Otherwise, there may be danger to people or property! If the instruction marked with this symbol cannot be implemented, the product must be taken out of service



Should be noted. Failure to do so could result in damage to the electrical system or disadvantages in terms of functionality or use.

## 1. Intended use and intended use



This accompanying documentation with important information must be read carefully before commissioning the plant and kept for future use.

The outdoor charging station is an electrical system. In the event that the integrated sockets are damaged or defective, no electrical appliances may be connected to these sockets. Damaged sockets must be reported immediately to the owner/operator of the charging station. Repairs may only be carried out by the service/manufacturer or by an employee with appropriate electrotechnical qualifications.

The charging station may only be connected to the electricity by a person with the appropriate electrotechnical qualifications! It is strictly forbidden to interfere with the electrical connection of the charging station!!

It is a steel cabinet with four user compartments and one service compartment as standard. Different compartment divisions do not change the content of these instructions.

The charging station is used to store and power electrical appliances, especially e-bike chargers or batteries. In each user compartment there are two 230 V / 16 A sockets with a power consumption of max. 460 W, to which the user can connect their charger. The chargers are not included in the scope of delivery of the charging station.

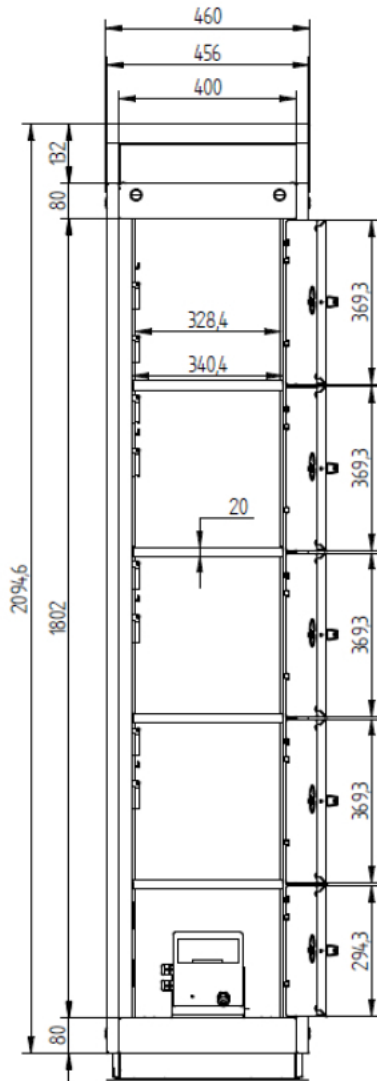
The sockets are protected by a residual current of 30 mA. The user compartments are equipped with lockable doors. There is a small electrical panel in the service compartment, this compartment is not freely accessible.

The charging station is an electrical system for sheltered outdoor spaces with an ambient temperature of -20 to +35°C. The charging station is weather-resistant in Central European latitudes. For durability and ease of use, it must not be directly exposed to precipitation, moisture and extreme temperatures. A sheltered and shady location or a canopy is recommended.

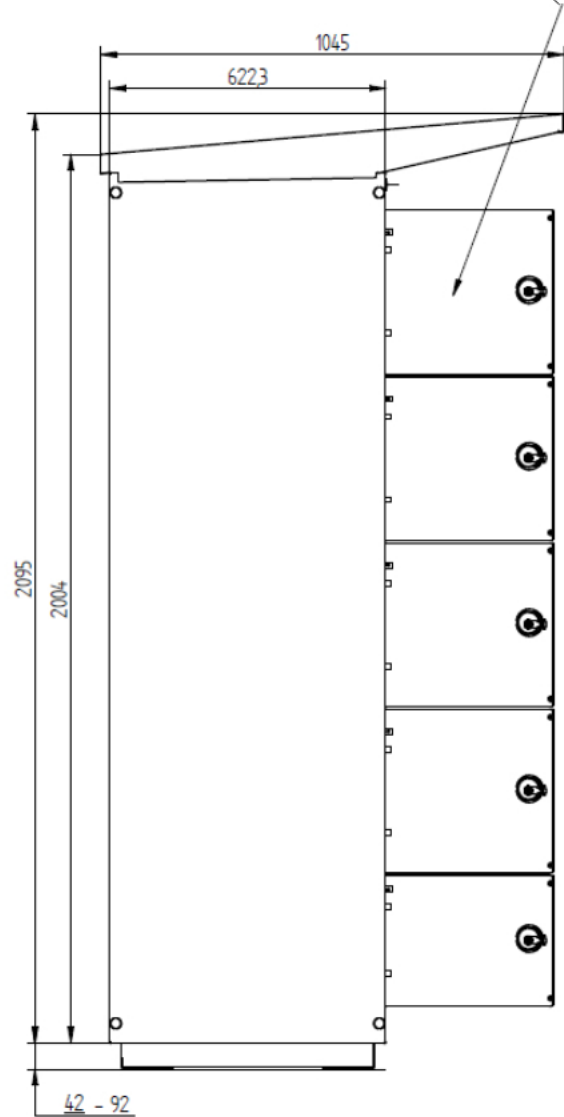
## Essential components and equipment of the charging station



**Front view  
with open  
doors:**

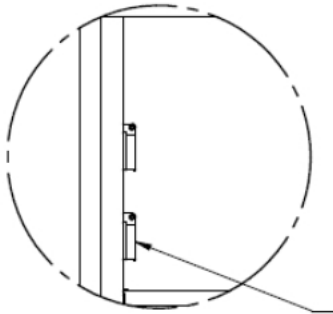


**Side view  
with roof structure and open  
doors:**





**Details:** Upper compartment: user-friendly socket position further down



### 3. Technical Specifications

Number of electrical sockets	4 x 2 sockets
Height	2095 + 42 to 92 mm height adjustable base
Width	460 mm
Depth	1045 mm incl. roof structure
Weight	108 kg
Max. Power Consumption per user compartment	460 W
Rated current	16 A
Nominal voltage	230 V AC
Protection	IP 44/20
Ventilation	Passive through ventilation slots in the body, air is drawn in via the floor

### 4. Installation

**When installing, follow the following instructions:**

This guide is not legally binding. We do not accept any liability or warranties for property damage, personal injury or damage resulting from the use of the manual. All measurements are approximate. Delivery without decoration or accessories, if any. Status: 03/2024, subject to change.



- The outdoor charging station must be placed on a stable and solid concrete foundation and fixed to it to prevent it from tipping over, shifting, etc. The connection cable must be chosen according to the distance of the cabinet from power source and according to the conditions on site.

#### **4.1. Preparation: Concrete foundation & connection cable**

The outdoor loading cabinet can only be installed upright on a flat concrete foundation with minimum dimensions of **460 x 620 mm** and with a recommended depth of 500 mm (to be chosen according to the conditions on site). The concrete foundation must be at least **50 mm** above the surrounding terrain. In the middle of the concrete foundation, a cable conduit with a connection cable for the power supply of the charging cabinet is to be routed.

The connection cable must be at least three-core with a minimum cross-section of **2.5 mm<sup>2</sup>**, the cable cross-section must be chosen according to the distance from the power source. (recommended type) **NYY-J 3x2,5** or similar). Before assembling the loading cabinet, the

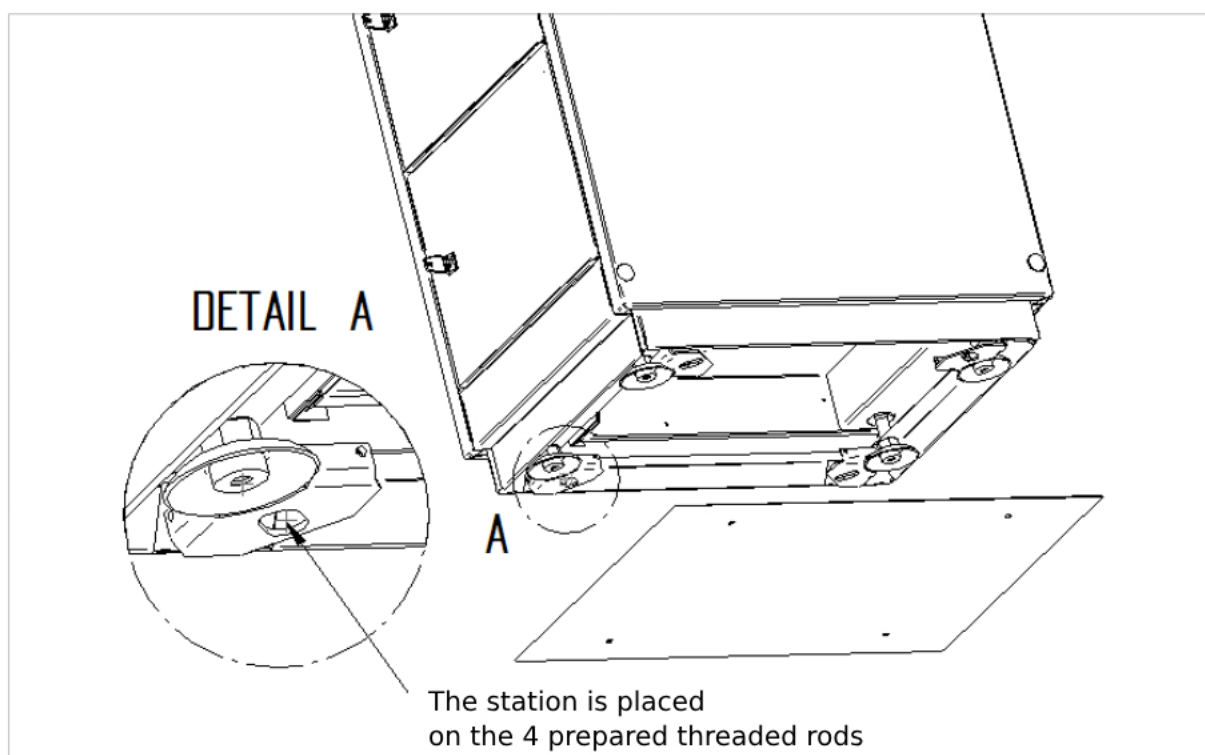
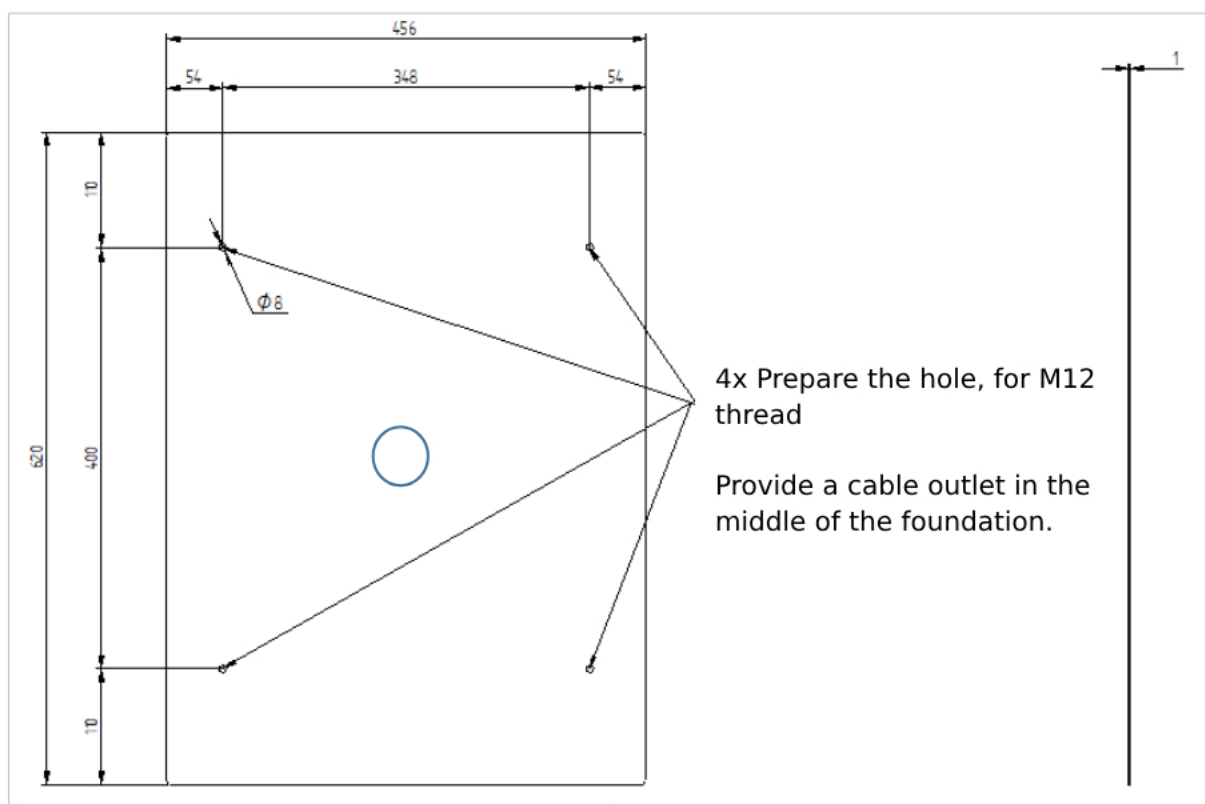
#### **4.2. Assembly**

Once the concrete foundation is provided according to the above instructions, the anchor points can be drilled into the foundation; the drilling scheme is included.

**Attention: the short side of the drilling scheme must be flush with the leading edge of the concrete foundation and the future front of the charging station so that sufficient air supply from below can be guaranteed later.**

If the drilling scheme is laid correctly, the 4 holes can be marked with  $\varnothing$  8mm each and drilled into the concrete foundation. The M12 set screws can then be attached to the concrete foundation, e.g. with the help of chemical anchors or dowels. The set screws must protrude above the concrete foundation by at least 40 mm.

When the anchoring points are prepared and the connection cable is laid in the cable conduit, it is possible to install the charging station on the concrete foundation. After placing the cabinet, the threaded rods must be fitted with washers and M12 nuts. The nuts must be tightened sufficiently tightly.



### 4.3. Bus bar



**The power connection may only be carried out by persons with appropriate electrotechnical qualifications.**

Before working on the power connection of the charging station, make sure that the connection cable is disconnected from the power source.

The connection cable is connected to the electrical control panel in the service compartment at the bottom. The brown and blue conductors are connected to the upper terminals of the combined protection device-RCD. The green-yellow conductor is connected to the green bridge.

After connecting the connection cable, it is possible to switch on the combi circuit breaker to supply the sockets in the individual user compartments. The supply of the connection cable can then be switched on in the local distributor.

### 4.4. Roof attachment

The installation of the supplied roof attachment is to be carried out on the basis of the detailed pictures shown here. It is recommended to work in pairs during assembly.





## 5. Commissioning



Before commissioning, it is necessary to carry out an initial inspection of the electrical system. After the overhaul, the charging station can be operated.

The opening and closing of the user compartments depends on the type of lock selected. Devices with a maximum total power consumption of 460 W can be connected to a power outlet.

## 6. Cleaning



- Without exception, unplug the charging station before each cleaning!
- The electrical components of the charging station must never come into contact with moisture or moisture! This also applies to moisture or wetness, which can be caused by foam or other cleaning agents as well as cleaning utensils
- Never touch live components with damp or wet hands!
- In case of damage to the electrical sockets, cleaning is prohibited.

### 6.1. Light soiling

We generally recommend wiping the charging station with a dry, soft and clean cloth. Light dirt can also be removed with a slightly damp cloth without the addition of cleaning agents. As soon as you wipe with a damp cloth, we recommend wiping the cleaned areas dry immediately afterwards. You can soften dirt that has easily solidified by applying a slightly damp cloth and then wipe it away.

### 6.2. Heavy soiling

If you want to clean the charging station with biological or chemical cleaning agents, we recommend that you first test the cleaning agent on a concealed area on the cabinet!



Never use harsh, corrosive detergents, as the paint could become dull or even peel. Electrical or electronic components could be damaged. Plastics or stickers could become porous or brittle.

### 6.3. Disinfection

Please use lightly damp disinfectant wipes to disinfect the cabinet and its components. If you do spray on disinfectant, you must wipe the treated areas dry again immediately. Electrical or electronic parts must never be sprayed! We do not assume any guarantee or liability for damage to property or personal injury resulting from the use of sprayed disinfectants.



## 7. Regular check-ups, maintenance



- The electrical components of the charging station must be regularly checked and maintained by suitable and trained personnel!
- Safety stickers that warn the user of health hazards when handling the charging station



The mechanical components of the charging station must be regularly checked and maintained, and stickers explaining the function of the charging station to the user, CE stickers and stickers with contact information for the incident must be checked regularly and replaced in case of damage or absence.

To ensure safe operation, the charging station must be regularly inspected and maintained by suitable qualified personnel. Any spare parts that may be required are available from rotstahl GmbH.

*The following steps must be carried out regularly (at least 1x yearly):*

### *Control of the supply lines*

At least once a calendar year, visually inspect the supply lines. This also includes the inspection of the screw connections and the transfer pieces.

### *Signage control*

For safety reasons, all signage must be checked for completeness and up-to-dateness and replaced if missing or damaged. You can get replacement stickers on request from rotstahl.

### *Inspection and maintenance of the closures*

Each lock must be subjected to a functional test. In the case of closures with batteries, check the state of charge and replace it as needed.

### *Inspection of moving parts*

Visually inspect all components of the cabinets, check screw and plug connections and tighten them if necessary.

### *Documentation of the work*

Maintenance and service work must be documented in a comprehensible manner.

## 8. Warranty

We provide a guarantee and warranty on the charging station in accordance with the current terms and conditions, which you can view on [www.bravour.com/de](http://www.bravour.com/de).

## 9. Disposal/ Recycling

At the end of the service life of the charging station, the operator/owner is obliged to dispose of it in an environmentally friendly manner or to hand over the product to a collection point in accordance with the conditions on site. The product is made from completely recyclable materials.



Before dismantling, make sure that the charging station is unplugged!

Before disposal, please separate electrical and electronic components, such as those made of plastic and rubber, from the housing made of sheet steel.

By the way: the paints used in powder coating are environmentally friendly, non-toxic and do not produce toxic gases or residues even when heated.

## 10. Possible malfunctions/troubleshooting

*What to do in the event of a defective charging station:*



- If you notice damage to sockets, cables or housings, a person in charge must disconnect the charging cabinet from the mains and ensure that the faults are rectified.
- Any repair may only be carried out by suitable qualified personnel or the manufacturer. Modification of electrical components is prohibited.
- The charging cabinet must be taken out of service until the defects have been rectified.

In the event of any malfunction, the operator/owner must be contacted. In the event of an overload of one of the sockets in the user compartments, the combined protection device-RCD located on the electrical panel trips. In this case, an authorised person disconnects all connected electrical appliances from the double sockets and tries to switch on the combined protective device-RCD.

If the protective device residual current circuit breaker does not trip, it means that too many electrical appliances were connected to the double sockets. Fewer electrical appliances need to be connected. If the protective device residual current circuit breaker trips again even without electrical appliances connected, there is a fault in the electrical installation. In this case, the service/manufacturer must be contacted or the repair carried out by an employee with electrotechnical qualifications.