

## 26.1 Status display

The status display indicates a status change or an existing fault. If no fault is detected, the status indicator LED will act as one of the five LEDs to indicate the charge level or set support level.

Depending on which status is displayed, the LED of the status indicator lights up in different colors.

The status display:

- **flashes green = "Ready for operation"**

After successful installation of the drivepack in the e-bike, the status indicator flashes green briefly to indicate that you can now switch on the drive system using the Remote fX / Remote bX.

- **flashes yellow = "Soft Fault"**

When a "Soft Fault" occurs, the status indicator flashes yellow. The drive system signals that a temporary or non-critical fault is present, which in most cases leads to a loss of power.

If a "soft fault" occurs, you can continue riding your e-bike, but Fazua strongly advises against doing so in order to avoid further damage to the drive system or e-bike.

- **flashes red = "Hard Fault"**

When a "Hard Fault" occurs, the status display flashes red. If a "hard fault" occurs on your e-bike, the e-bike can no longer be operated and must be serviced.

## 26.2 Display of charging level/support level

The charge/support level indicator shows two parameters.

- **The battery charge level indicator:**

The charge level of the battery can be read from the number of illuminated LEDs. Each of the 5 LEDs represents 20 % of the total charging capacity. When the battery is fully charged, all 5 LEDs light up.

If the battery is flat, the upper LED of the status indicator lights up white or no LED lights up.

- **The selected support level of the pedal support:**

Each support level is assigned a color, i.e. the color of the LEDs on the display indicates the currently set support level.

→ More detailed information can be found in chapter 27.3 "Levels of support"!

## 27 USING REMOTE fX AND REMOTE bX

### ⚠ WARNING

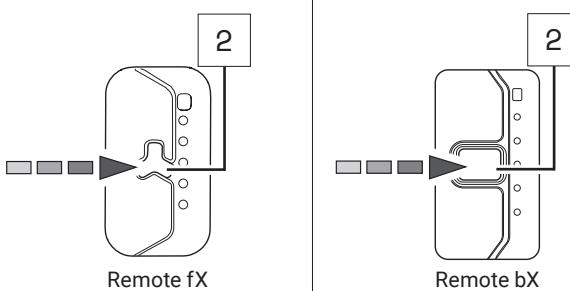
#### Danger due to distraction during operation!

If you are distracted by the use of the Remote fX / Remote bX while riding, accidents and serious injury may result.

- ▶ Before using your e-bike for the first time, familiarize yourself with the functions and handling of your Remote fX / Remote bX away from road traffic.
- ▶ Do not use the Remote fX / Remote bX while riding if it distracts you.

### 27.1 Switching the drive system on and off

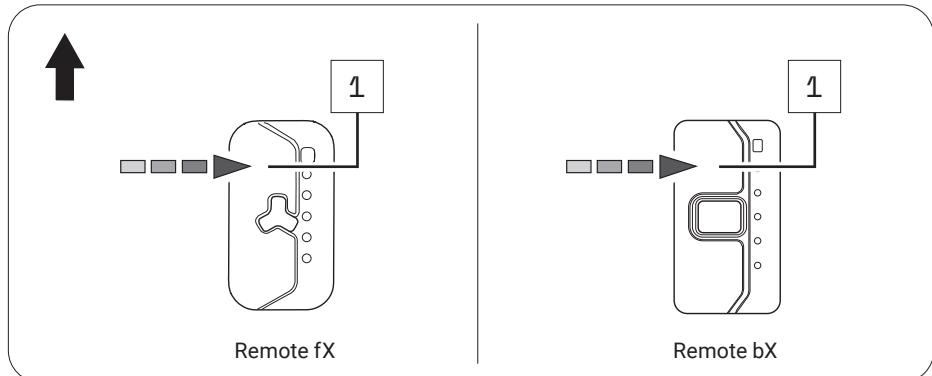
- ▶ Switch on the drive system using the Remote fX / Remote bX by pressing the center button.
- ▶ Turn off the drive system using the Remote fX / Remote bX by pressing and holding the center button for 1 second.



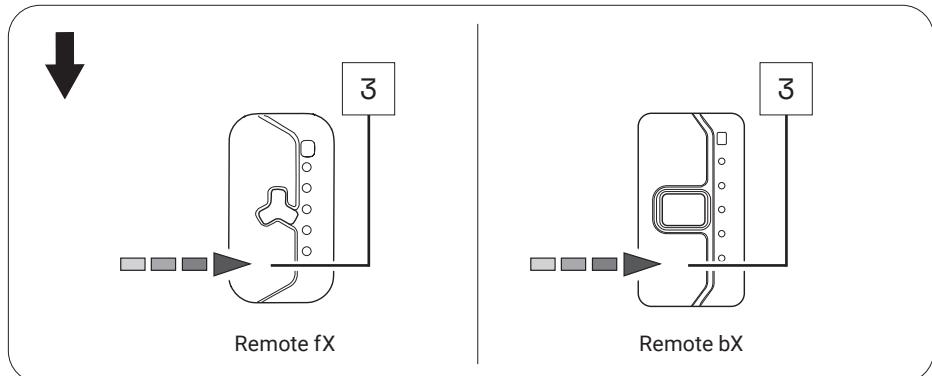
## 27.2 Setting the pedal support

With the help of the Remote fX / Remote bX you can set the desired support level at any time - even while riding.

- ▶ Tap the upper touch sensor on the Remote fX / Remote bX to switch to the next higher support level.



- ▶ Tap the lower touch sensor on the Remote fX / Remote bX to move to the next lower support level.



When driving in rain mode, use the center button to set the desired support level.

→ More detailed information can be found in chapter 27.5 "Rain mode".

## 27.3 Levels of support

### No support (white)

- The LEDs of the display on the Remote fX / Remote bX light up white.
- You ride without electric pedal assistance (as with a conventional bicycle).

### Support level "Breeze"

- The LED of the display on the Remote fX / Remote bX lights up green.
- You ride with low but effective support for maximum range.

### Support level "River"

- The LEDs of the display on the Remote fX / Remote bX light up blue.
- You ride with reliable support for most applications.

### Support level "Rocket"

- The LEDs of the display on the Remote fX / Remote bX light up pink.
- You ride with maximum support for very demanding trips.



The maximum motor power for all support levels can be individually configured by the manufacturer of your e-bike.

► Also note the manufacturer's specifications for your e-bike to determine how high the maximum motor power is for your e-bike.

OVERVIEW TABLE "SUPPORT LEVELS"

Support level	Color	max. motor power
none	white	0 W
Breeze	green	400 W*
River	blue	400 W*
Rocket	pink	400 W*

\* The values given here are the "theoretical" maximum motor power.

## 27.4 Restart drive system

► Press and hold the center button for 8 seconds to fully shut down your drive system: All LEDs go out.

When the drive system is ready to be switched on again, the status indicator flashes green: Now you can restart your drive system as usual.

## 27.5 Rain mode

The rain mode prevents rain drops from unintentionally adjusting the support level of your e-bike.

If you have activated the rain mode, use the center button to set the desired support level:

1. Activate the rain mode by holding down the center button for 2 seconds. A short blue LED animation appears.

2. In rain mode, press the center button 1x briefly to switch to the next higher support level.

By briefly pressing the center button again, you can switch to the next higher support level in the following order:

no support → "Breeze" → "River" → "Rocket" → no support etc.

3. To return from the rain mode to the regular operating mode, press and hold the center button again for 2 seconds.

## 27.6 Switching bicycle lighting on and off



Depending on the model, your e-bike has a bicycle light that you can switch on and off using the Remote fX / Remote bX.

**IMPORTANT:** The bicycle lighting can only be switched on and off in regular operating mode using the Remote fX / Remote bX, not in rain mode!

1. If necessary, deactivate the rain mode by pressing and holding the center button for about 2 seconds.
2. Press the center button once briefly to turn on the bicycle lights.
3. Press the center button again once briefly to turn off the bicycle lights.

## 27.7 Bluetooth connectivity

You can connect your cell phone to your drive system via the Fazua Rider App. If the connection has been established successfully, the LEDs on the Remote fX / Remote bX flash 3x blue.

# BATTERY

## 28 MODEL VARIANTS OF THE BATTERY

Depending on the model, your drive system is powered by the Battery 250 or Battery 250 X.

Since the two model variants differ in appearance, you may find different model-dependent illustrations next to each other in this section.

### **Different handling of the model variants after automatic switch-off of the battery:**

The Battery 250 switches off automatically if the e-bike has not moved for 8 hours and no button or touch sensor has been pressed on the remote.

The Battery 250 X switches off automatically if the e-bike has not moved for 1 hours and no button or touch sensor has been pressed on the remote.

- ▶ Press the on/off button once on the battery to switch the Battery 250 or Battery 250 X on again ("wake up").

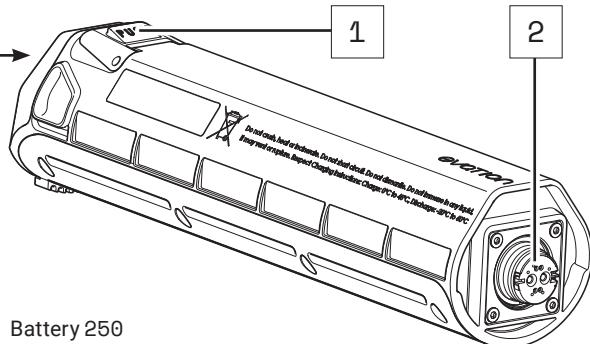
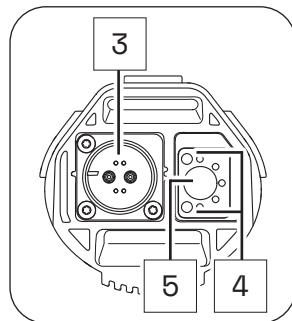


Both model variants have the function for displaying the "state of health" (SOH) of the battery by double-clicking on the on/off button on the battery.

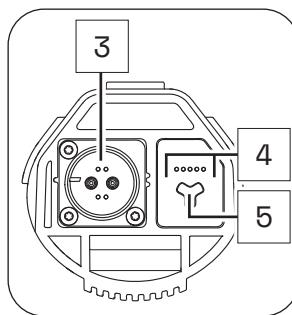
The SOH is displayed in 20 % increments (similar to the battery charge indicator): If all five LED's are flashing, the battery has a SOH of 100%, if four LED's are flashing 80%, etc.

## 29 DETAILED VIEW & PART DESIGNATIONS: BATTERY

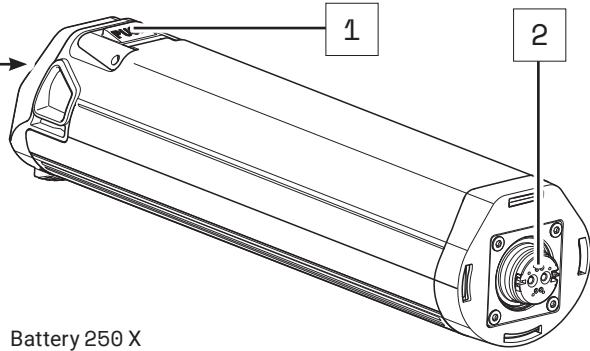
**D**



Battery 250



Battery 250 X



### Part designations

- 1 → Pushbutton (battery lock)
- 2 → Interface (drivepack)
- 3 → Charging socket
- 4 → Charge level indicator\*
- 5 → On/off button

\* The charge level indicator of the Battery 250 X is only visible when the corresponding LEDs are lit, but not, for example, when the battery is switched off.



The numbering 1–5 within this section refers to the individual parts of the components **D** (battery).

Individual parts of other components illustrated within this section are additionally marked with the corresponding component letter.

## 30 TECHNICAL DATA

TECHNICAL DATA ON THE BATTERY	
Nominal voltage	→ 36 V
Nominal capacity	→ 7 Ah
Power	→ 252 Wh
Protection type	→ IP54
Weight, approx.	→ 3.1 lbs (1.4 kg)
Operating temperature	→ 23 °F to 104 °F (-5 °C to +40 °C) (ambient temperature)
Storage temperature (< 1 month)*	→ 5 °F to 140 °F (-15 °C to +60 °C)
Storage temperature (> 1 month)*	→ 5 °F to 77 °F (-15 °C to 25 °C)

\* Please also note the information on the storage time-dependent temperature ranges for the battery in chapter "Storage and transport".

## 31 USING THE BATTERY

### 31.1 Checking and switching on battery

#### ⚠ DANGER

#### Risk of explosion and fire!

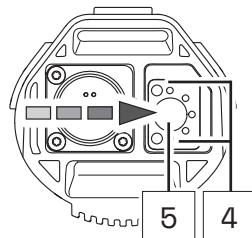
A damaged or dirty battery may explode and/or cause a fire.

- ▶ Never insert a damaged battery into the drivepack.
- ▶ Check the battery for visible damage, such as cracks or burn marks, before each insertion.
- ▶ Make sure that the interfaces on the battery are free of dirt before using it.

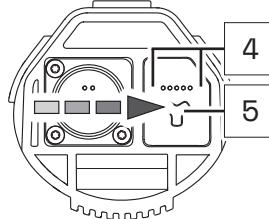


You can query the charge level of the battery at any time, by pressing the on/off button 1x: The number of illuminated LEDs indicate the charge level. Thus each illuminated LED corresponds to 20 % of the total charging capacity. When the battery is fully charged, all 5 LEDs light up.

1. Check the battery for visible damage (visual check).
2. Press the on/off button on the battery once to turn on the battery:  
The LEDs of the charge level indicator next to the on/off button light up and indicate the current charge level of the battery.



Battery 250



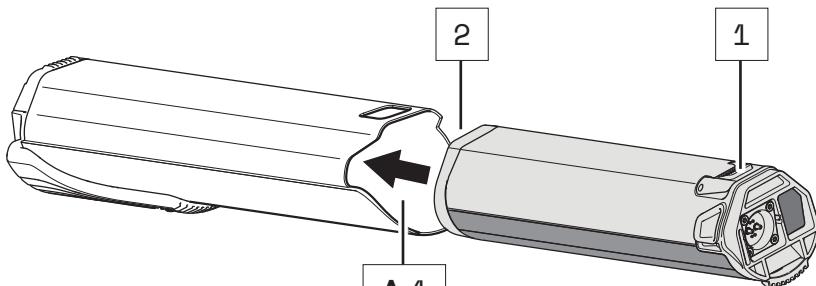
Battery 250 X

If none of the LEDs on the charge indicator light up after pressing the on/off button, this indicates that the battery is damaged.

In this case, do not insert the battery into the drivepack, but contact an authorized specialist.

## 31.2 Inserting the battery into the drivepack

1. Hold the drivepack with one hand and the battery with the other.
2. Position the battery with the interface forwards in front of the empty battery receptacle and align it so that the battery lock push button is on the same side as the corresponding opening on the drivepack.



The battery is designed so that it can only be inserted into the battery receptacle when correctly aligned.

So if you have problems inserting the battery into the battery holder, it may be because you have not aligned the battery correctly.

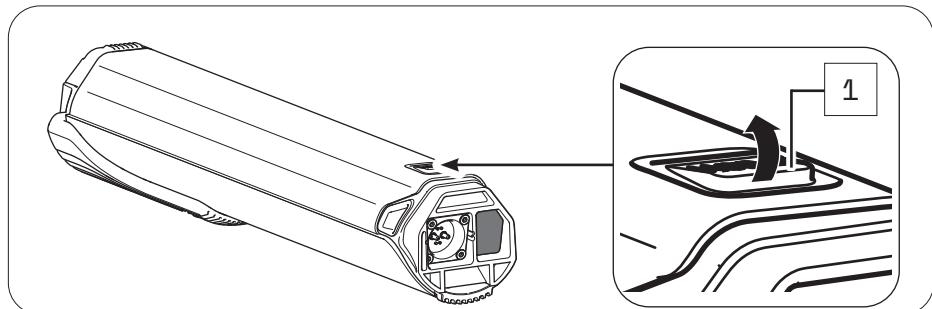
Therefore, in this case, first check the correct alignment of the battery and try inserting it again.

If the battery cannot be inserted into the battery receptacle despite correct alignment, this may indicate that one of the components is damaged.

Do not use the drive system if the battery cannot be inserted into the battery holder, but contact an authorized specialist.

3. Carefully insert the battery as far as possible into the battery holder of the drivepack until you hear a click.

When you have inserted the battery correctly and completely into the battery holder, the push button on the battery slides into the corresponding opening on the drivepack and locks the battery in place.



If the battery does not lock, pull it out again if necessary, make sure that there is no dirt inside the drivepack to obstruct insertion, and then try inserting the battery again. Do not use the drive system if the battery cannot be locked. In this case, contact an authorized specialist to have the fault rectified.

### 31.3 Removing the battery from the drivepack

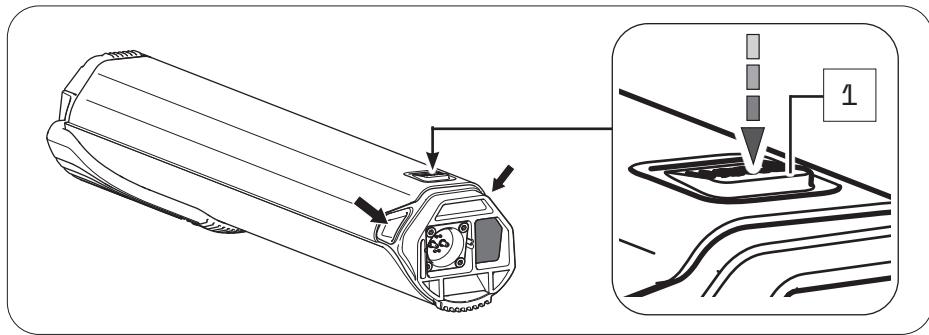
#### ⚠ CAUTION

##### Pinch risk!

You can pinch your fingers when removing the battery from the drivepack.

- ▶ When pressing the push button or removing the battery, be careful not to pinch your fingers.

1. Hold the drivepack with one hand and secure the battery with the other.
2. Press the push button as far as it will go to release the battery from the lock.



3. Press and hold the push button, grasp the battery on the two handles and gently pull the battery out of the battery holder.

The two handles are located at the side of the upper battery end (see arrows).

### 31.4 Switching off the battery

- ▶ Turn off the battery by pressing and holding the on/off button.

### 31.5 Charging the battery

#### ⚠ DANGER

##### Fire hazard due to incorrect handling!

If you handle the battery improperly or try to charge it with an incompatible charger you could cause a fire.

- ▶ To charge the battery, use only original and compatible evation chargers from Fazua.
- ▶ The charger and battery heat up during charging, so keep away from combustible materials.
- ▶ Do not leave the battery and charger unattended during charging.

#### ⚠ DANGER

##### Risk of electric shock!

Improper handling of the charger or incorrect mains connection may expose you and others to the risk of electric shock.

- ▶ Observe the instructions in section "Charger".

You can either leave the battery in the drivepack during charging or remove it from the drivepack and charge it separately. The charging process can also be interrupted at any time.

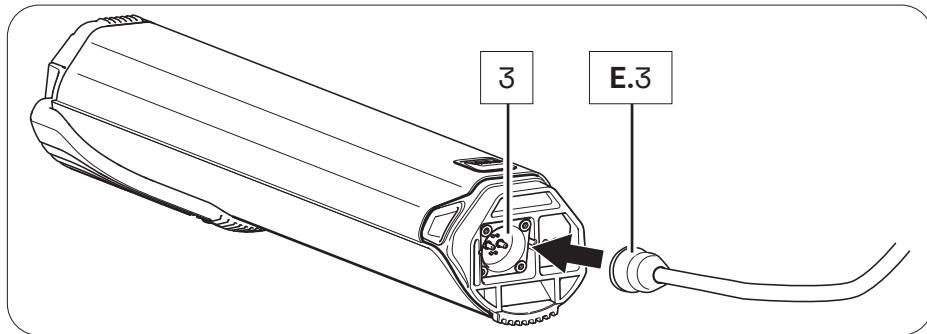
You cannot charge the battery if the temperature is outside the permissible charging temperature (14 °F to 140 °F (-10 °C to +60 °C)). This is not possible even if the battery is connected to the charger.

Charging is only possible again when the permissible charging temperature has been reached.

- ▶ Fully charge the battery prior to initial operation so that you can use the full capacity of the battery.

### 31.5.1 Connect battery to the charger

1. Insert the charging plug into the charging socket on the battery. Since the charging plug is magnetically coded, it can only be plugged in in the intended position.



2. Plug the power plug into a suitable wall outlet to establish the power connection.

The charging process starts automatically after connection to the mains.

### 31.5.2 Ending charging process

1. Then disconnect the charger from the power grid by pulling the mains plug out of the socket.
2. Disconnect the charger from the battery by pulling the charger plug out of the charging socket on the battery.
3. Replace the drivepack with the battery correctly on the e-bike.

## 31.6 Charging process

Charging begins as soon as you have connected the charger's charger plug to the charger socket on the battery and the charger to the power supply.

The flashing LEDs on the battery charge indicator indicate that the battery is being charged.

### 31.7 Battery charge level indicator

As soon as you have switched on the battery, the charge status display automatically shows a start animation. Immediately afterwards, the LEDs briefly indicate the current charge level of the battery.

Depending on the charge level, the number of LEDs varies, with each LED representing 20 % of the capacity. If all five LEDs are lit, the battery is fully charged.

As soon as the battery is fully charged, the LEDs of the charge level indicator go out.

- ▶ When the battery is switched on, press the on/off button on the battery to check the charge status, e.g. before or during a (longer) trip.

# CHARGER

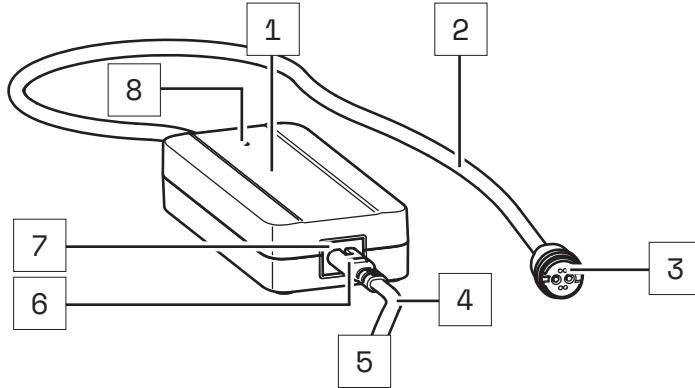
## 32 MODEL VARIANTS OF THE CHARGER

Depending on the model, you charge the battery of your drive system using the Charger A or the Charger, Model STC-8133LC-F.

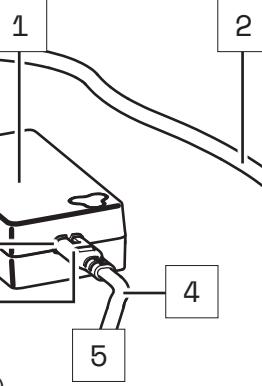
The two model variants differ in some respects visually and with regard to their technical data. You may therefore find different model-dependent illustrations or information in this section.

If none of the model variants is explicitly mentioned, the descriptions refer to all model elements.

## 33 DETAILED VIEW & PART DESIGNATIONS: CHARGER

**E**

Charger A



Charger, Model STC-8133LC-F (EU/US)

## Part designations

- 1 → Mains adapter
- 2 → Charging cable
- 3 → Charging plug
- 4 → Mains cable
- 5 → Mains plug (power supply)\*
- 6 → Plug
- 7 → Mains socket
- 8 → LED display

\* Different from country to country, therefore without illustration.



The numbering 1–8 within this section refers to the individual parts of the components **E** (charger).

Individual parts of other components illustrated within this section are additionally marked with the corresponding component letter.

## 34 TECHNICAL DATA

TECHNICAL DATA ON THE CHARGER	
Nominal input voltage	100–240 V AC (Charger A) → 90–120 V AC (Charger, Model STC-8133LC-F (US))
Frequency	→ 50/60 Hz
Charging current	→ 2 A
Charging time, approx.	→ 3.5 h
Protection class	→ 2 [symbol: <input type="checkbox"/> ]
Protection type	→ IP54
Weight, approx.	→ 0.850 lbs (0.39 kg)
Operating temperature	→ 32 °F to 113 °F (0 °C to +45 °C)
Storage temperature	→ 32 °F to 113 °F (0 °C to +45 °C)

## 35 USING CHARGER

### **DANGER**

#### **Risk of electric shock and fire!**

If you use a damaged charger you could expose yourself and others to the risk of an electric shock. If you use the charger improperly or with an incompatible battery you could cause a fire.

- ▶ Therefore check all individual part for damage before using the charger.
- ▶ Never use a damaged charger.
- ▶ Only use the charger in dry indoor areas.
- ▶ Keep water or any liquids away from the charger or all individual parts of the charger.
- ▶ The charger and battery heat up during charging, so keep away from combustible materials and do not leave the two components unattended during charging.
- ▶ During charging place the charger and battery on a well ventilated surface.
- ▶ Only use the charger to charge the original and compatible evation battery from Fazua. Never attempt to charge non-rechargeable batteries!

### **35.1 Prepare charger**

1. Take the power supply unit and the power cord with you.
2. Plug the appliance plug of the mains cable into the mains socket on the power supply unit.

## 35.2 Connector charger to the battery

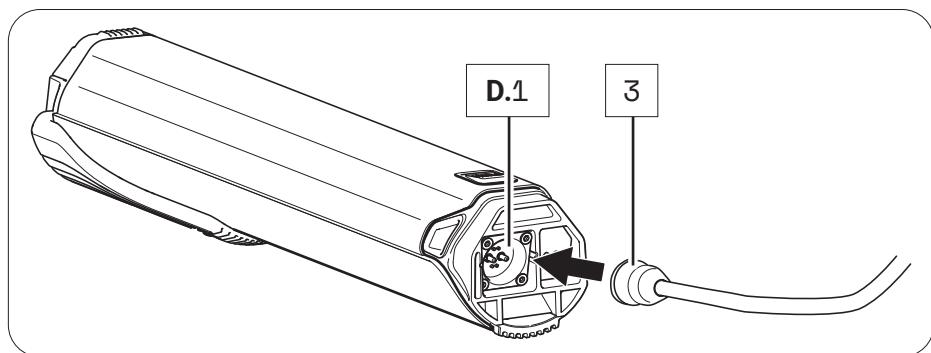
### **DANGER**

#### **Risk of electric shock!**

If the mains connection is incorrect, you and others may be exposed to the risk of electric shock.

- ▶ First connect the charger to the battery before you connect the charger to the power supply.
- ▶ Only connect the charger to an easily accessible and properly installed earth contact outlet.
- ▶ Make sure that the mains voltage at the mains connection corresponds to the information on the charger.

1. Plug the charger's charger plug into the charging socket on the battery.



2. Plug the power plug into a suitable wall outlet to establish the power connection.

The charging process starts automatically after connection to the mains. During the charging process, the LED indicator on the power supply unit lights up red and signals that the battery is being charged.

When the color of the LED indicator changes to green, this signals that the battery is fully charged.

### 35.3 Unplug charger from battery

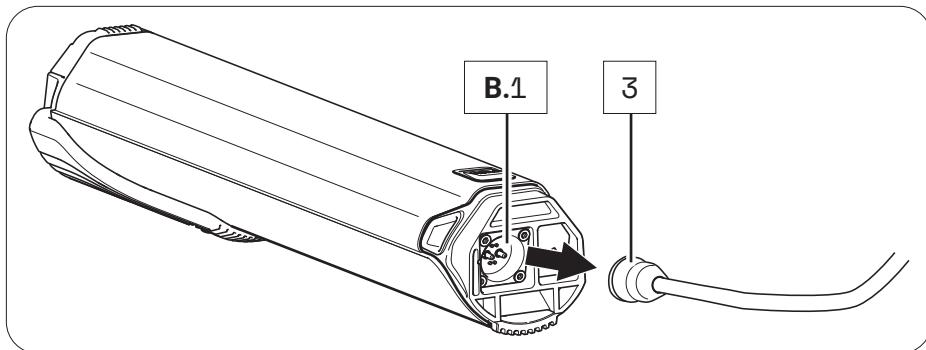
## ⚠ DANGER

### Risk of electric shock!

If the mains connection is incorrect, you and others may be exposed to the risk of electric shock.

► First disconnect the charger from the power supply before you disconnect the charger from the battery.

1. When charging is complete, unplug the charger from the outlet to disconnect it from the mains.
2. Then disconnect the charger from the battery by pulling the charging plug out of the charging socket.



3. Then disconnect the power cord from the AC adapter and keep the two parts of the charger separate from each other.





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