

# Product Specification

## BatteryChargingLocker*Digital*

### *LMS8-DGTL*



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## Charging Locker for Bicycle Batteries

The *BatteryChargingLockerDigital* by Lo Minck Mobility is a high-quality modular stainless steel charging cabinet designed for securely storing and/or charging bicycle batteries, as well as other small electronic devices such as smartphones or tablets, in individually secured compartments. Each compartment is equipped with a 230V power socket. The compartment dimensions accommodate common battery sizes, including the charger.

The *BatteryChargingLockerDigital* is constructed from stainless steel (RVS304) and fitted with premium digital locks. The standard version is intended for indoor use only and is exclusively available in the LMS8 configuration.

### Installation (Floor- or Wall-mounted)

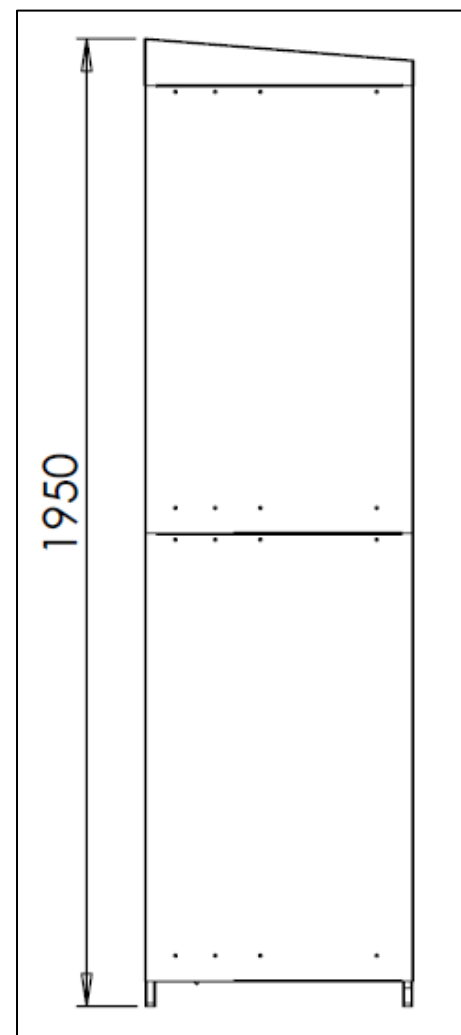
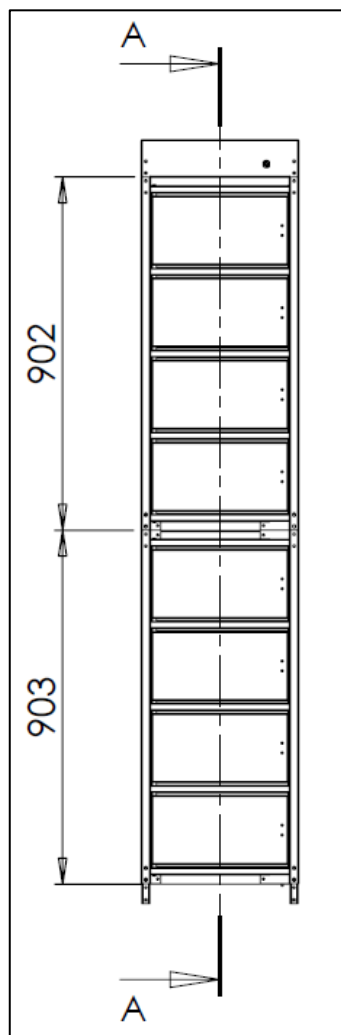
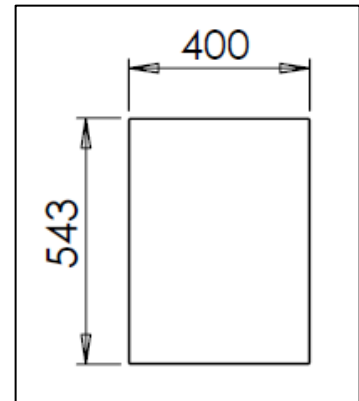
The *BatteryChargingLockerDigital* must be placed on a stable, preferably levelled surface. The Battery Charging Locker has adjustable feet, meaning it can be levelled/placed in a stable position. Optionally, special feet can be supplied with which the loading locker can be fixed to the ground. The base module can also be wall-mounted if required.

### Electrical Supply

A standard bicycle battery charger uses approximately 350W (approx. 1.5A). If all eight compartments are used simultaneously at full capacity, the total power consumption will be 2.800W (LMS8). It is recommended to connect the *BatteryChargingLockerDigital* to a dedicated circuit (230V/16A).

**Specification overview (LMS8-DGTL):**

- Dimensions (DxWxH): 543x400x1.899mm
- Compartment Dimensions (DxWxH): 493x398x209mm
- Door Opening (HxW): 152x249mm
- 8 individually lockable compartments
- Plug for 230V/16A power supply
- 8 x 230V sockets
- Material: Stainless steel 304 (panels: 1mm, door:1,5 mm)
- Integrated air circulation



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### App controlled locks

Each individual compartment is fitted with a standalone digital lock operated via a mobile application. The lock can be configured for private or public use.

Users gain access without the need for a key or PIN-code, and may reserve or rent a compartment via the app. Enhanced administrator access ensures the operator retains the ability to open any locker at all times. Mechanical override by means of a master key is also possible.

*Lock specifications;*

- Dimensions (LxWxH): 98x66x13mm
- Material: Stainless steel (RVS304)
- Lifecycle: Approx. 200.000 operations
- Operating Voltage: 8V–24V



### Locker Cloud

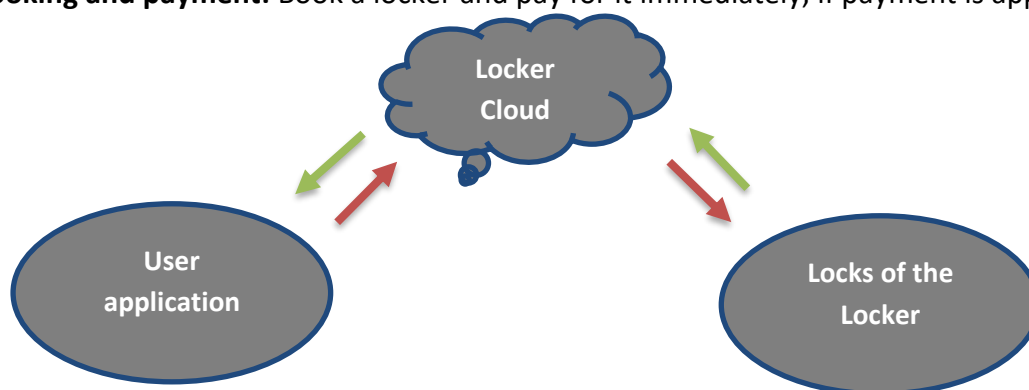
The locking system maintains a continuous connection with *Locker Cloud* via the app, enabling seamless communication between the *BatteryChargingLockerDigital* and its users. *Locker Cloud* offers the following functionalities:

#### Administrator Functions

- Location Management: Monitor and manage all locker locations.
- Locker Management: Access detailed status information per locker, including number of lockers, location, availability and operational status.
- Management Portal: User-friendly web-based interface for locker administration, accessible from any location.
- API Integration: Enables integration of *Locker Cloud* into proprietary systems. All *Locker Cloud* functionalities are accessible through a secure, modern API.

User functions;

- **Reservations:** Book compartments in advance to guarantee availability.
- **Availability:** View real-time availability status of compartments.
- **Booking and payment:** Book a locker and pay for it immediately, if payment is applicable.



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### **Hard- software lock**

The *BatteryChargingLocker* **Digital** is equipped with both hardware and software provided by “ALLYS Sharing Solution”. The hardware consists of a controller and a modem with a 4G SIM card (included), enabling connection with **Locker Cloud**. Locker Cloud facilitates the link between the app and the locking mechanisms. Each modem can be connected to a maximum of 8 locks/compartments. Make sure an internet connection is available on the spot where the locker will be installed. If a smart phones has connection here the locker will have connection as well.

To make use of the locks, the purchaser must choose from one of the following three operating options (appendix 1 shows a flowchart which might help the customer):

1. **The “Deelfiets Nederland” application** This app can be used when there is also a connection to the shared bicycles from Deelfiets Nederland. In this way, the app serves both the shared bicycles and the Charging Locker. This option is exclusively applicable within the Netherlands/Belgium.
2. **WhiteLabel application.** This is a web-based app configured by “ALLYS Sharing Solutions” based on a standardised app framework. The layout of this app can be fully customised in the branding colours of the administrator, in consultation with “ALLYS Sharing Solutions”.
3. **API Integration.** This option enables a custom integration between Locker Cloud and the existing software or application of the administrator. This allows the locks to be operated via the purchasing party’s own, familiar software. Consequently, the administrator can define custom functional requirements for the locking system.

Each of the above options includes a management portal, granting the administrator full access to modify parameters or to open/close locks when necessary (e.g. during emergencies).

#### **1. Deelfiets Nederland application (Only applicable in The Netherlands and Belgium)**

The Dutch bike sharing platform Deelfiets Nederland integrates Locker Cloud into the app, allowing cyclists to use LaadLockers throughout the Netherlands/Belgium.

The platform of Deelfiets Nederland can thus rent out compartments of the Battery Charging Locker.

Possibilities of the Deelfiets Nederland platform:

- Users can rent Lockers with the same account as for shared bikes.
- Rent out lockers to the public or to specific user groups (e.g. employees).
- Users can reserve lockers up to 1 hour in advance.
- Determine rental prices yourself and generate income with the lockers.
- Reporting and dashboards.
- Customer service via Deelfiets Nederland.
- Software delivery time; approx. 1-2 weeks

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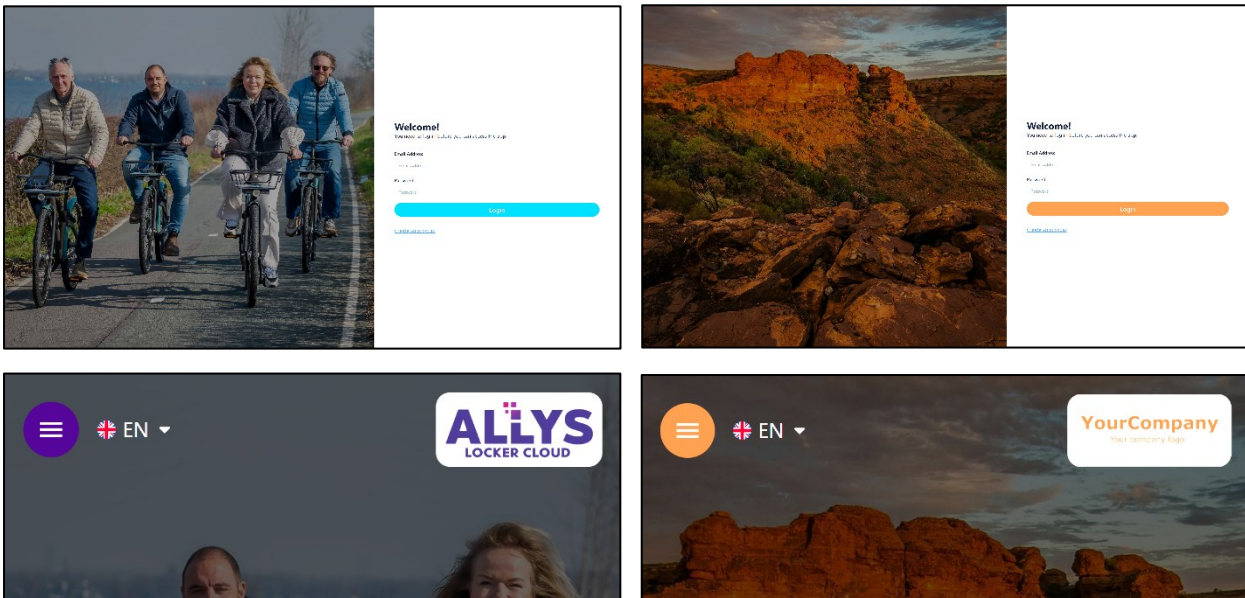
## 2. WhiteLabel application

The WhiteLabel application provides a simple solution to integrate Charging Lockers into the organization without the need for custom software development. The application is fully aligned with the corporate identity and is managed by “ALLYS Sharing Solutions”.

### Key features of the WhiteLabel application:

- User registration and login functionality.
- User access management based on email addresses or domain names.
- User-friendly web app with a map showing locker locations, reservation options, and control features during use.
- Contact and support options with corporate contact details.
- Multilingual interface: English, Dutch, or other languages upon request.
- Adjustable reservation duration per organization.
- Fully branded to the company’s identity.
- Management portal for easy administration of users and rentals.
- Optional: Paid locker rental via integration with a Payment Service Provider.
- Software delivery time: approx. 1 week (excluding payment module).

The design of the Whitelabel app is completely tailored to the company’s branding. In consultation with “ALLYS Sharing Solutions”, the background image can be selected, the correct company logo added, and colours adjusted to match your house style.



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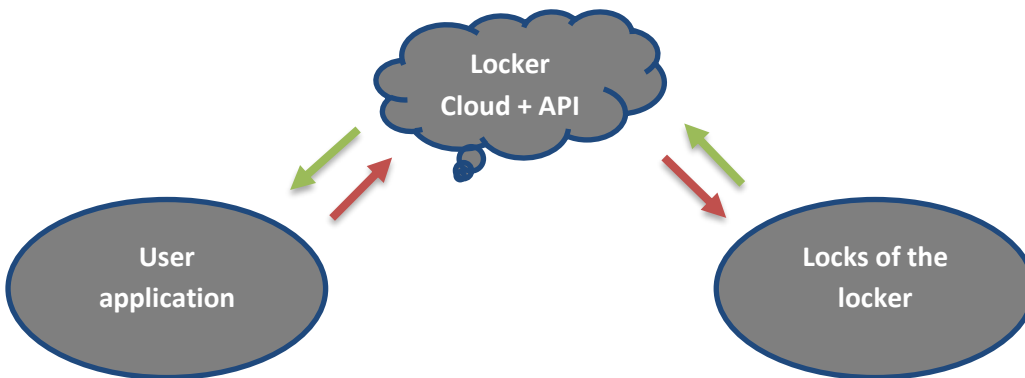
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### 3. API integration

An API is a part of software that makes it easier for two types of software to communicate with each other. In this way, a company's software can communicate with software such as "ALLYS Sharing Solutions" (= Locker Cloud). A company can control the locks of a *BatteryChargingLockerDigital* from its own application. The user does not need to install a separate application to use the *BatteryChargingLockerDigital*.

API integration delivery time: depending on the purchasing party's IT department.

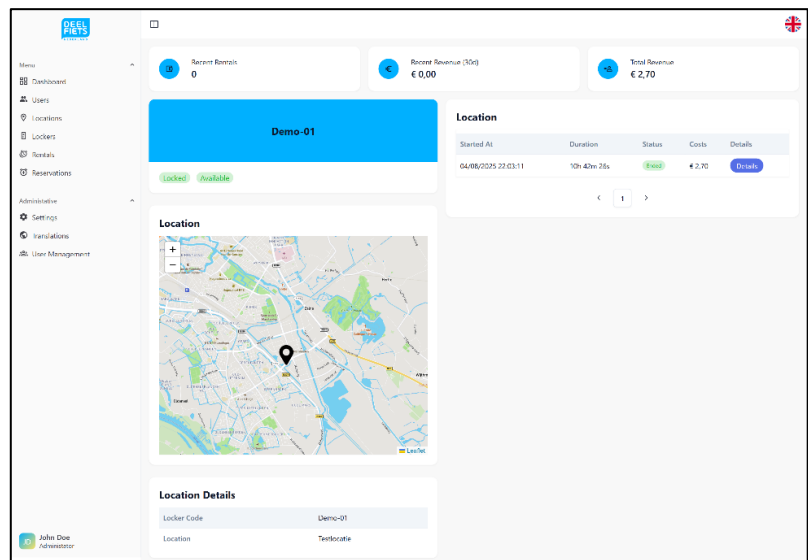
Access to the Locker Cloud API is typically granted within 2 working days.



### Management portal

The options described above all include a management portal, where the administrator can modify various parameters or open/close locks when needed, for example, in emergencies. Below are some of the parameters accessible for the administrator in the management portal:

- Locations of the Charging Lockers
- Status compartments per Charging Locker
- Transactions (if applicable)
- Reservations
- User information
- Payment functionality when using the lock



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### **Payment Functionality for Lock Use**

It is possible to add a payment function to the *BatteryChargingLockerDigital*. Each unit can be equipped with a PSP (Payment Service Provider). ALLYS will integrate this PSP with the application selected by the purchaser. The lead time for PSP integration is approximately two weeks, subject to the provision of required information such as Chamber of Commerce registration, identification documents and articles of association.

### **ALLYS Sharing Solutions**

ALLYS Sharing Solutions is part of Deelfiets Nederland, a Dutch provider of shared bicycles and developer of associated software. Deelfiets Nederland supplies its bike-sharing concept and related software to numerous Dutch municipalities and other public organisations, including the Ministry of Defence.

### **Collaboration between Lo Minck Mobility/International and ALLYS Sharing Solutions**

Lo Minck Mobility has collaborated with Deelfiets Nederland for several years. Within this partnership, Lo Minck Mobility develops and delivers bespoke solutions for the storage and charging of Deelfiets Nederland's shared bicycles. This cooperation is now being extended to integrate ALLYS Sharing Solutions' software. Initially, the software will be deployed for the *BatteryCharging LockerDigital*; in due course, LockerCloud will also be applied to other product concepts such as BatteryBox, bicycle lockers and VelowSpace.



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## Service

To ensure a structured and efficient handling of service requests, we have divided them into the table below;

Subject service question	<u>ALLYS Sharing Solutions</u>	<u>Lo Minck International</u>
Functionality application on phone	✓	✗
Functionality app on webbrowser	✓	✗
Functionality lock	✓	✗
Findability BatteryChargingLocker <i>Digital</i> in application	✓	✗
Connection with internet	✓	✗
Functionality power supply in compartments	✗	✓
Installation BatteryChargingLocker <i>Digital</i>	✗	✓
Questions about delivery	✗	✓
Payment monthly fee	✓	✗
Payment BatteryChargingLocker <i>Digital</i>	✗	✓

### Contactdetails ALLYS Sharing Solutions

Email: [Contact@allyssharing.com](mailto:Contact@allyssharing.com)

Phone: +31 (0)85-4441538

### Contactdetails Lo Minck Mobility/International

Email: [Sales@lo-minck.nl](mailto:Sales@lo-minck.nl)

Phone: +31 (0)252-420384

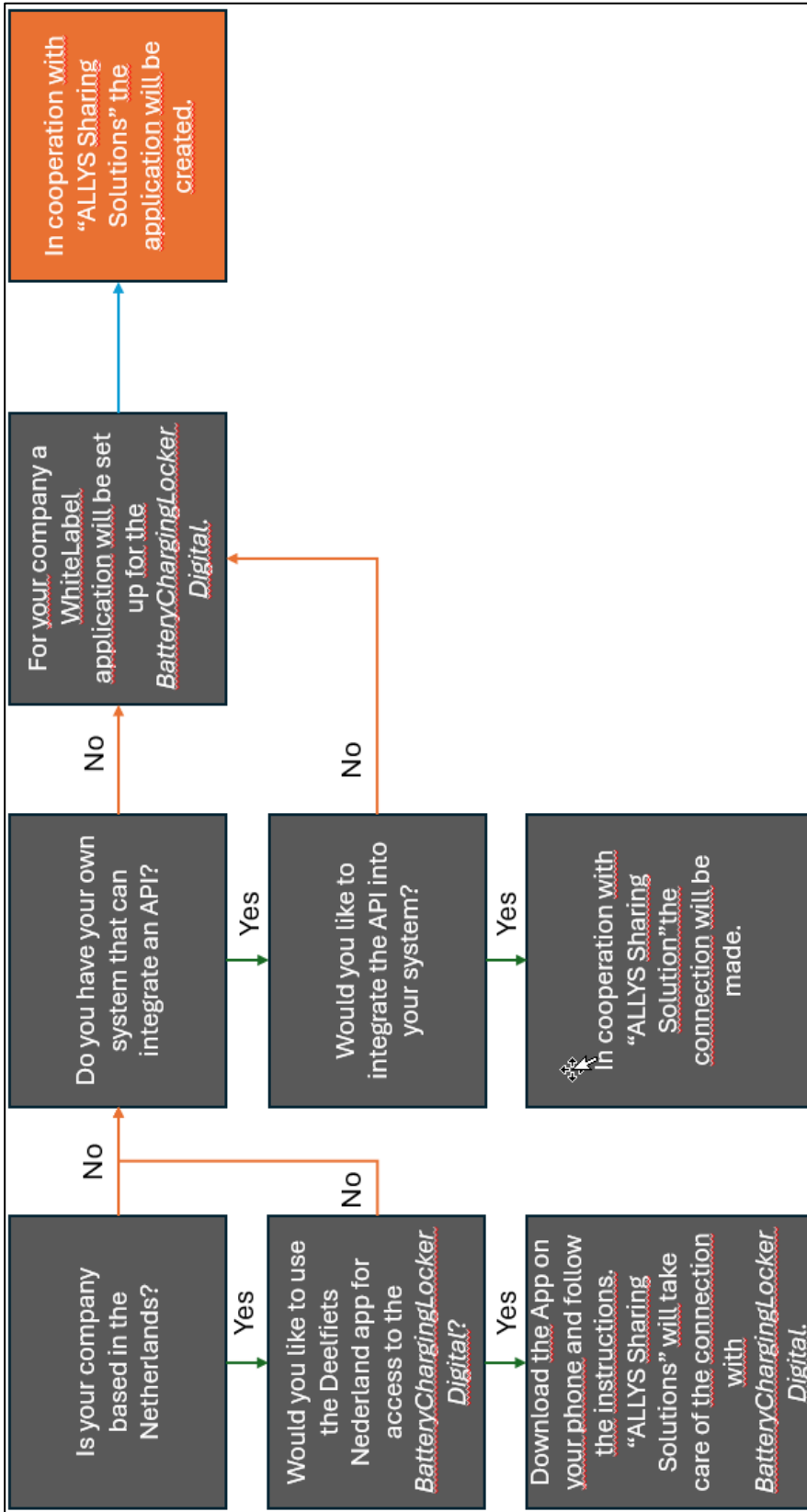
## Warranty

1 year factory warranty (from date of delivery).

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## Appendix 1



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# Manual

## BatteryChargingLocker*Digital*



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### Using the “Deelfiets Nederland” application or “WhiteLabel application”

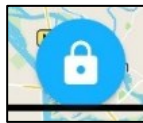
1. Download the “Deelfiets Nederland” app from the App Store or open the Whitelabel web application.
2. Are you already registered?
  - Yes? Log in.
  - No? Register and activate your account according to the on-screen instructions.



You may occupy a compartment in one of two ways:

1. Scan the QR code on *BatteryChargingLockerDigital* at the location.
2. Reserve a compartment at the desired location in advance.

### On-Site Occupation



1. Tap the padlock icon in the app.
2. Scan QR code on one of the *BatteryChargingLockerDigital* doors using your phone’s camera.
3. In the app, tap “**Open Locker**” – the door will unlock.
4. Place your bicycle battery or other items inside the compartment.
5. Close the door.
6. The app will confirm that the door is locked.

### Opening the door



1. Tap the locker icon in the app.
2. Select “**Unlock door**” – the door will open.
  - a. You may now remove or add items.
3. Close the door and tap “**Lock door**” in the app.<sup>1</sup>

<sup>1</sup>) The rental transaction remains active until you tap “**End rental.**”

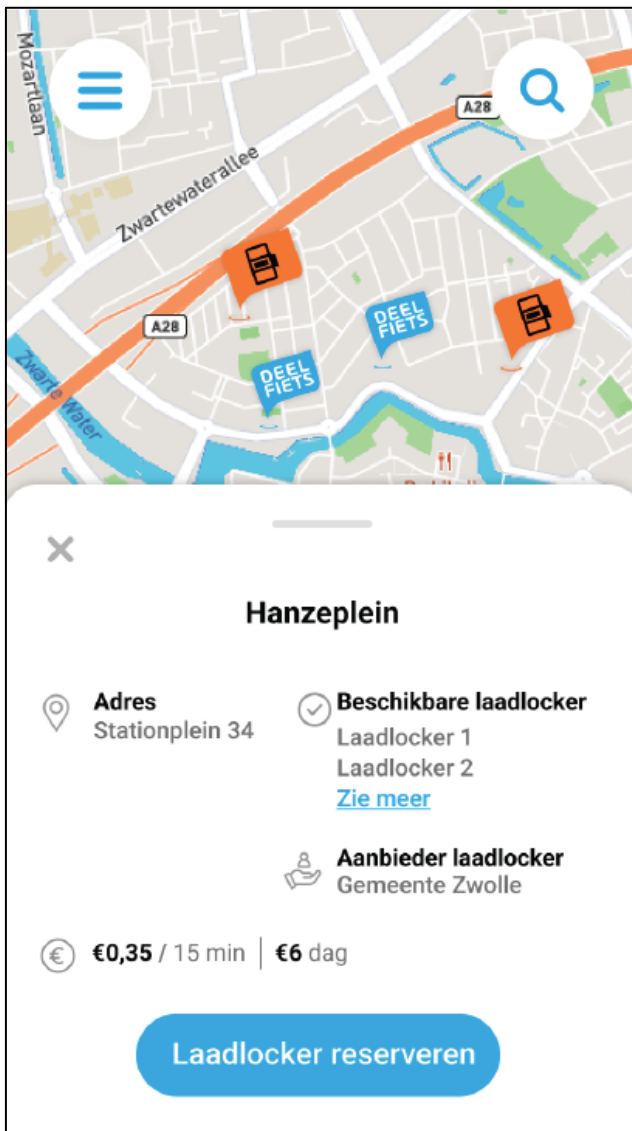
### Ending of transaction

1. To end the transaction, tap “**End rental.**”

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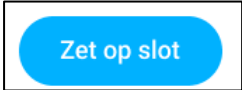
### Reserving a compartment in advance

1. Select the desired location on the map in the app (see image below).
2. Reserve in advance (maximum 1 hour).
3. Tap “Reserve LaadLocker”.
4. Tap “Confirm Reservation”.



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	<ul style="list-style-type: none"> <li>● Klik op het slot in de app</li> <li>● Click on the padlock in the app</li> <li>● Klicken Sie auf das Vorhängeschloss in der App</li> </ul>
	<ul style="list-style-type: none"> <li>● Scan QR code</li> <li>● Scan QR code</li> <li>● QR-Code scannen</li> </ul>
	<ul style="list-style-type: none"> <li>● Klik “LaadLocker openen”</li> <li>● Click “open locker”</li> <li>● Klicken Sie auf „Locker öffnen“</li> </ul>
	<ul style="list-style-type: none"> <li>● Klik “zet op slot” in de app</li> <li>● Click “Lock door” in the app</li> <li>● Klicken Sie auf „Schließ Tür“ in der App</li> </ul>
<b>Beëindiging huur – end of rent – Vermietung beenden</b>	
	<ul style="list-style-type: none"> <li>● Klik op de locker in de app</li> <li>● Click on the Locker in the app</li> <li>● Klicken Sie auf die Locker in der App</li> </ul>
	<ul style="list-style-type: none"> <li>● Klik “beeindig huur”</li> <li>● Click “end rent”</li> <li>● Klicken Sie auf „Vermietung beenden“</li> </ul>

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