Ermis and Ermis Cloud

Set up your Ermis battery for Ermis Cloud, get and enter its key, and watch it live from anywhere.

An **Ermis** battery has a small computer built in, connected to the battery's BMS and to your network over Ethernet or Wi-Fi. It reports to Batterieslab over the internet, so you can watch it from anywhere: in Battery Monitor and on **Ermis Cloud**, the website at cloud.batterieslab.gr.

Ermis Cloud is free for every owner of an Ermis battery. It is view-only: nobody can change the battery through it.

How it works

- Every minute, the battery sends a reading that is kept as its history.
- While someone watches it in Battery Monitor or on Ermis Cloud, it also sends live readings, every second. These are shown, not stored. When the last viewer leaves, it stops.
- The battery proves who it is with its **key**: a secret code only you, as the owner, can see.

First setup

1 **Register the battery**

Register the Ermis battery to your account in Battery Monitor. Only the registered owner can request Ermis Cloud.

2 **Request Ermis Cloud access**

In Battery Monitor, open the battery's menu (ï and tap **Request Ermis Cloud access**, then **Send request**. While Batterieslab reviews it, the row says **Ermis Cloud access requested**.

3 **Wait for the approval**

You get a notification and an email when we decide. If we decline, the app shows the reason and you can **Request again**.

4 **Get the key**

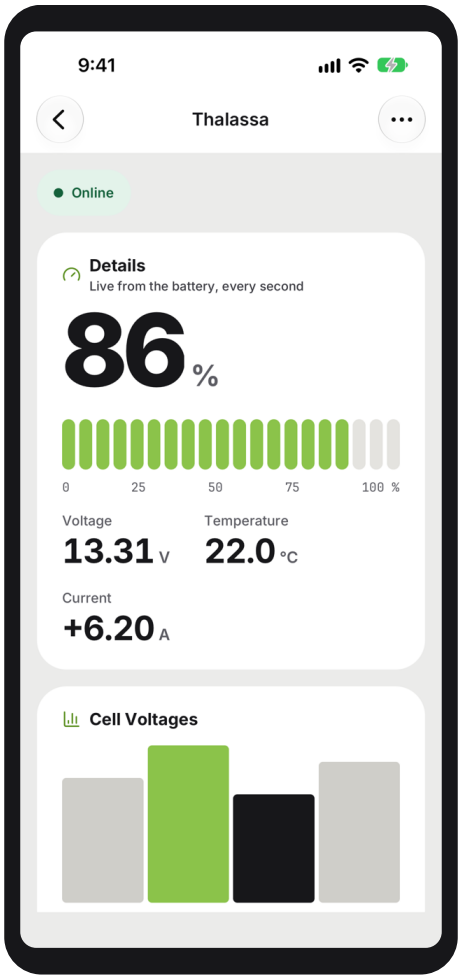
Open ï→ **Ermis Cloud key**. The app shows the key, with **Share** to send it to yourself or to a computer.

5 **Enter the key in the battery's settings page**

Open your Ermis battery's settings page and go to its **Ermis Cloud** section. Paste the key into the key field and save. Once the key works, the settings page shows **Connected: idle**. The settings page is open to whoever set the battery up: if your installer did, send them the key, or ask them to show you the page.

6 **Watch it live**

Tap the battery under **Over the internet** in Battery Monitor, or open it on Ermis Cloud.

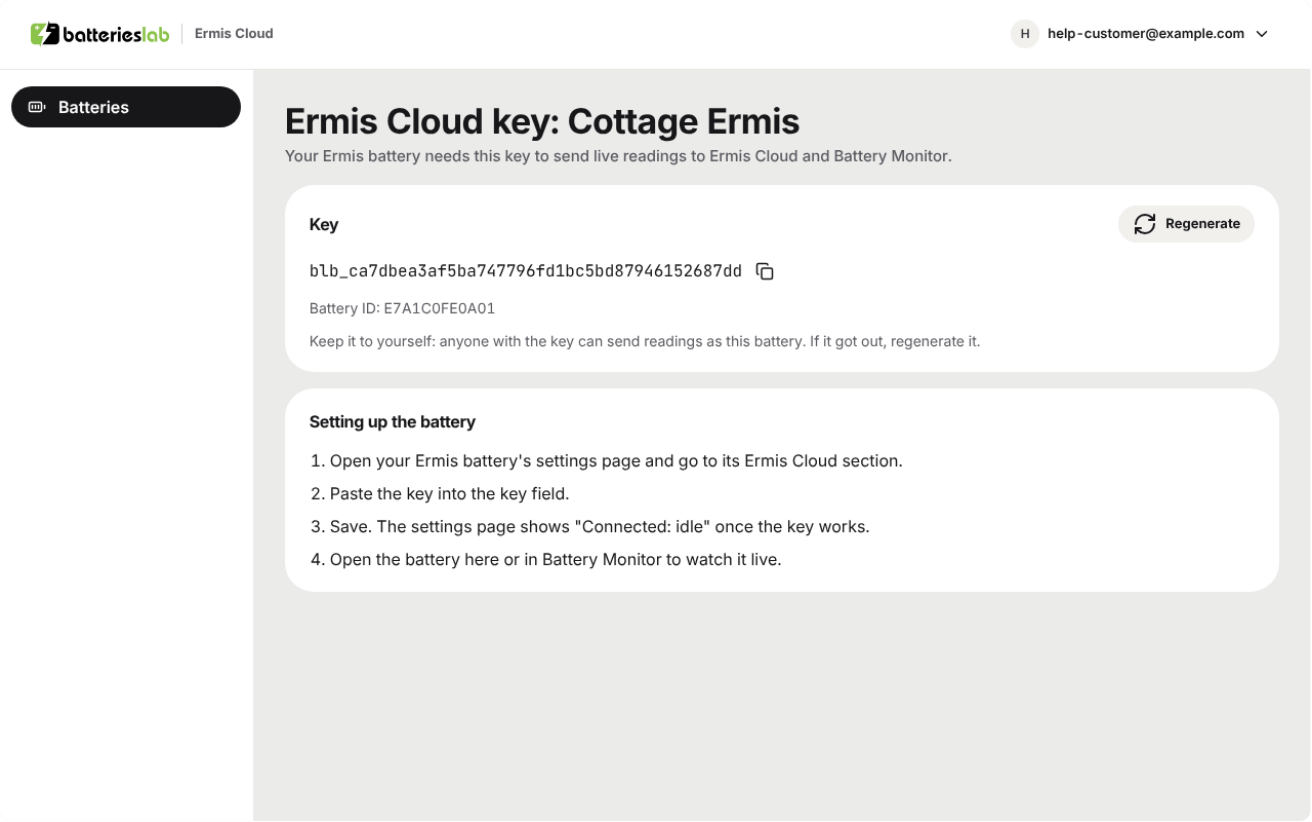


Ermis battery

The key

The key is a long code starting with **blb_**. Keep it to yourself: anyone with the key can send readings as your battery.

You can see it again at any time in Battery Monitor (**ï→ Ermis Cloud key**) or on Ermis Cloud's key page, which the battery's settings page links to. If it got out, tap **Regenerate**: the old key stops working at once, and the battery stops sending until you enter the new key in its settings page.



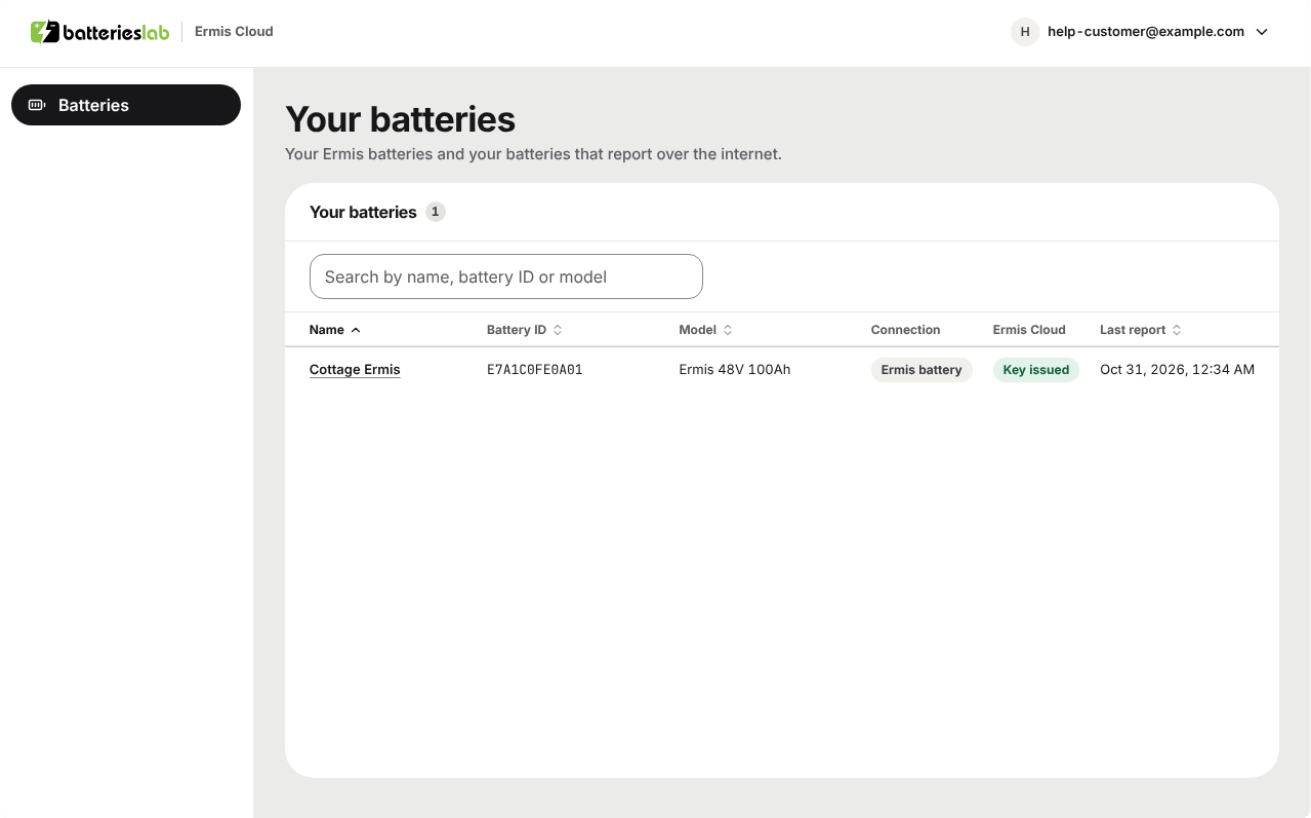
Ermis Cloud key

When the battery changes owner, its key stops working and the new owner requests Ermis Cloud access again.

Ermis Cloud

Sign in at **cloud.batterieslab.gr** with the account you use in Battery Monitor: email and password, Google, or Apple. There is no separate sign-up.

- **Your batteries** lists your Ermis batteries and your other batteries that report over the internet, with their Ermis Cloud status and their last report.
- A battery's **Live** page shows the state of charge, voltage, current, remaining and full capacity, each cell, temperatures, cycles, the charge and discharge MOSFETs and any active faults.



Your batteries

Offline?

If the battery shows **Offline**, check that it has power and a network connection, and that the key in its settings page is the one on the key page.

Batteries with an IoT bridge

Some batteries have a Batterieslab IoT bridge instead: it reports a reading about every minute, but has no live view. They appear under **Over the internet** in Battery Monitor and in Ermis Cloud's list. Their key is set up by Batterieslab.