



PESS APP Monitoring

User Guide

TABLE OF CONTENT

TABLE OF CONTENT	2
INTRODUCTION	3
CONNECTION	4
FLEET MANAGER – OPERATOR.....	4
GUEST	4
EQUIPEMENT.....	5
POWERBANK DETAILS	6
MAP	10
USERS	10
ADD A NEW USER	12
NOTIFICATIONS	12
SUPPORT	14
MY ACCOUNT	14



INTRODUCTION

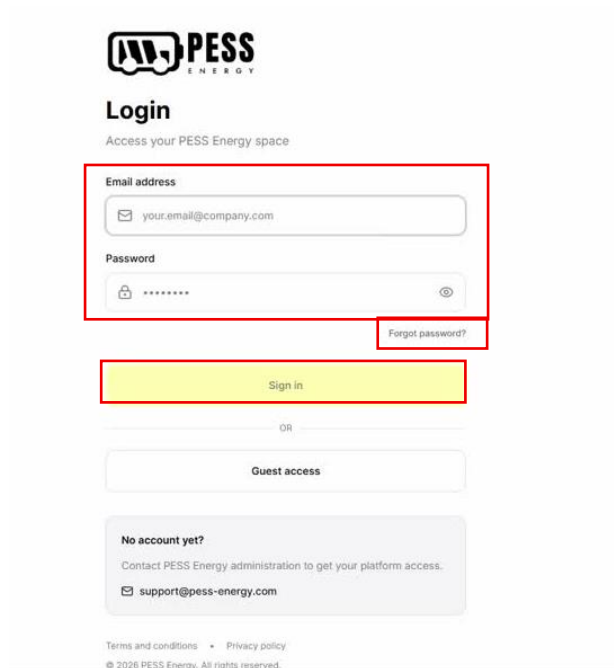
This document explains, through screenshots, how to use *PESS APP*, the web monitoring application developed by PESS Energy for its zero-emission generators.

The platform's primary purpose is to give you real-time visibility into your PESS Energy zero-emission generators: charge state, power produced and consumed, GPS location, and operating history. It also provides advanced management features, including charging parameter configuration, geographic surveillance zones, user management with access rights, and a centralized alert system so you're notified immediately of anything requiring attention.

This guide walks you step by step through each of these features.

CONNECTION

To log in to the PESS APP app: <https://app.pessenergy.com/>



The screenshot shows the PESS Energy login interface. At the top is the PESS Energy logo. Below it is the heading 'Login' with the subtext 'Access your PESS Energy space'. There are two input fields: 'Email address' with a placeholder 'your.email@company.com' and 'Password' with a masked password '*****'. A 'Forgot password?' link is located to the right of the password field. Below the inputs is a yellow 'Sign in' button. Underneath is an 'OR' separator, followed by a 'Guest access' button. At the bottom, there is a 'No account yet?' section with contact information for PESS Energy administration. The footer contains links for 'Terms and conditions' and 'Privacy policy', and a copyright notice for 2026 PESS Energy.



**PESS Energy, manufacturer
of zero-emission generators
for professionals**

FLEET MANAGER – OPERATOR

To log in as a *Fleet Manager* or *Operator*, please enter the credentials you used to register on the platform:

Email

Password

Click *Sign In*

If you've forgotten your password, click *Forgot password ?*

GUEST

To log in as a *Guest*, click *Guest access* et enter the temporary *Guest Code* you received by email. Then click *Validate Code*.

PESS
ENERGY

Login

Access your PESS Energy space

Email address

Password

[Forgot password?](#)

Sign in

OR

Guest access

No account yet?
Contact PESS Energy administration to get your platform access.
support@pess-energy.com

[Terms and conditions](#) • [Privacy policy](#)
© 2026 PESS Energy. All rights reserved.



PESS
ENERGY

Guest access

Enter your code to access the platform

Guest code

Enter the 6-digit code provided by your host

Validate code

OR

Back to login

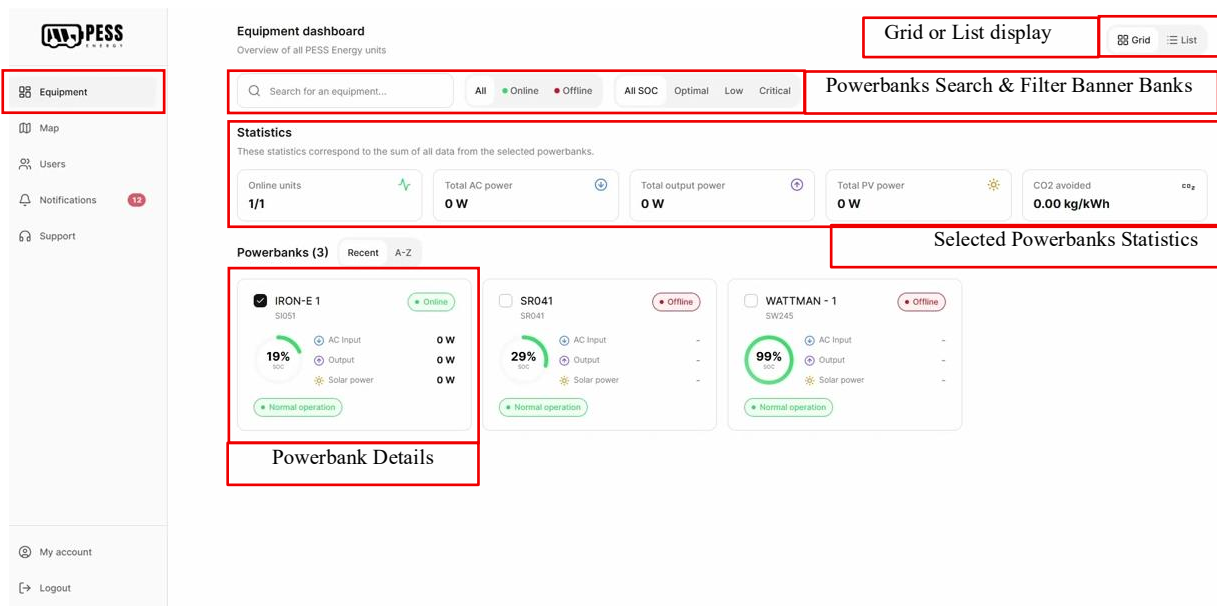
No account yet?
Contact PESS Energy administration to get your platform access.
support@pess-energy.com

[Terms and conditions](#) • [Privacy policy](#)
© 2026 PESS Energy. All rights reserved.



EQUIPEMENT

The *Equipment* page lets you visualise all the power banks associated with your user account.



Equipment dashboard
Overview of all PESS Energy units

Grid or List display Grid List

Search for an equipment... All Online Offline All SOC Optimal Low Critical **Powerbanks Search & Filter Banner Banks**

Statistics
These statistics correspond to the sum of all data from the selected powerbanks.

Online units 1/1	Total AC power 0 W	Total output power 0 W	Total PV power 0 W	CO2 avoided 0.00 kg/kWh
----------------------------	------------------------------	----------------------------------	------------------------------	-----------------------------------

Powerbanks (3) Recent A-Z **Selected Powerbanks Statistics**

☒ **IRON-E 1**
31031 Online

19% SOC

AC Input **0 W**
Output **0 W**
Solar power **0 W**

Normal operation

☐ **SR041**
SR041 Offline

29% SOC

AC Input -
Output -
Solar power -

Normal operation

☐ **WATTMAN - 1**
SW245 Offline

99% SOC

AC Input -
Output -
Solar power -

Normal operation

Powerbank Details

My account
Logout

When you select one or more Powerbanks, the data displayed in the Statistics banner updates based on the number of devices selected.

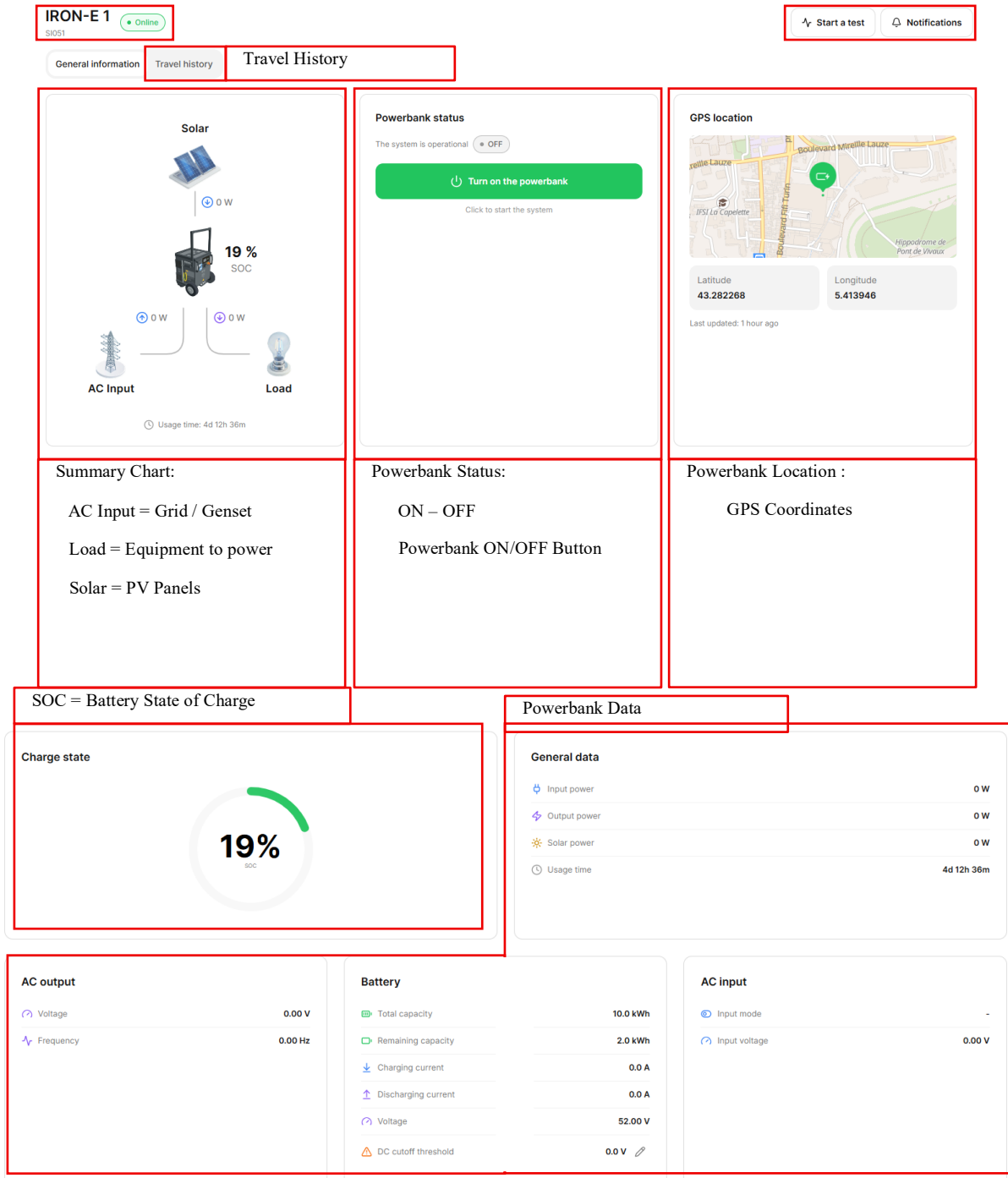
Clicking on a Powerbank's name (e.g., *IRON-E 1*) takes you to that device's details page.

POWERBANK DETAILS

The Powerbank details page (e.g., *IRON-E 1*) allows you to visualise all the data sent by the Powerbank.

Name (editable) + Serial N° + Status

Communication Test + Notifications page



The following table explains the data points displayed.

General Data	
Input Power	Instantaneous Input Power [W]
Output Power	Instantaneous Output Power [W]
Solar Power	Instantaneous PV Panels Power [W]
Usage Time	Time remaining [dd.hh.mm]

AC Output	
Voltage	Output voltage [V]
Frequency	Output Frequency [Hz]
Battery	
Total Capacity	Powerbank Total Capacity [kWh]
Remaining Capacity	Powerbank Remaining Capacity [kWh]
Charging Current	DC Charging Current entering the Battery [A]
Discharging Current	DC Discharging Current out of the Battery [A]
Voltage	Battery DC Voltage [V]
DC Cutoff Threshold	Minimum Battery DC Voltage before Shutdown [V]
AC Input	
Input Mode	Charging Mode : [16A – 32A – Solar]
Input Voltage	Input (Grid/Genset) Voltage [V]

Powerbank Parameters (Controllable)

Inverter & Configuration

- Charge mode: Solar
- Output mode: Single phase
- Total charge speed (PV + Grid): Fast
- Charge speed 16A: Fast
- Charge speed 32A: Normal
- Cutoff current threshold (discharge): 190A
- Acquisition speed: Slow - 12h
- Inverter temperature: 49.0 °C

Diagnostics Data

Diagnostics

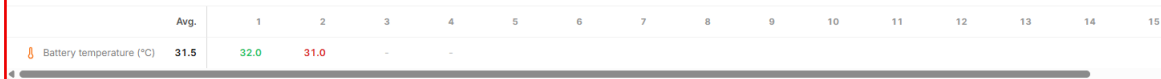
- MOS status - charge: Enabled
- MOS status - discharge: Enabled
- Inverter errors: -
- BMS errors: -
- BMS Heartbeat: 107
- Bus voltage: 354.00 V
- 4G signal: Excellent
- Firmware: v2.0.0

The following table explains the various settings and information displayed.

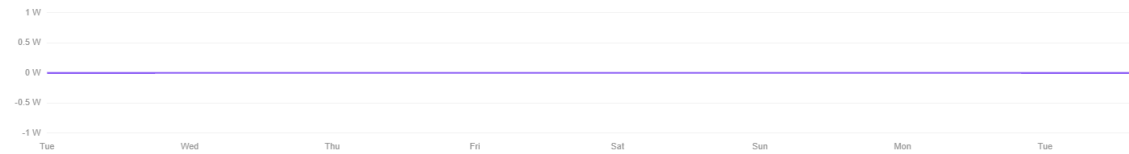
Inverter & Configuration	
Charge Mode	Solar – Grid (Grid or Genset)
Output Mode	Single – Parallel – Three-phase (Phase n°1, n°2 or n°3)
Total Charge Speed	General charging speed (Slow-Normal-Fast)
Charge Speed 16A	Charging Speed on 16A inlet sockets (Slow-Normal-Fast)
Charge Speed 32A	Charging Speed on 32A inlet sockets (Slow-Normal-Fast)
Cutoff Current Threshold (Discharge)	Maximum DC Discharge Current out of the Battery [A]
Acquisition speed	Frequency of data transmission based on power bank usage.
Inverter Temperature	[°C]
Diagnostics	
MOS status – Charge	BMS Charging Switch Status
MOS status – Discharge	BMS Discharging Switch Status
Inverter errors	Inverter Error Code for Diagnostics
BMS errors	BMS Error Code for Diagnostics
BMS Heartbeat	Developer Data
Bus Voltage	Inverter DC Bus Voltage [V]
4G Signal	Quality of 4G Signal
Firmware	4G PCB Firmware version

Battery Cell voltages & temperatures with Min-Max

Cell voltages and battery temperatures



Output power history



Instant. Output Power History

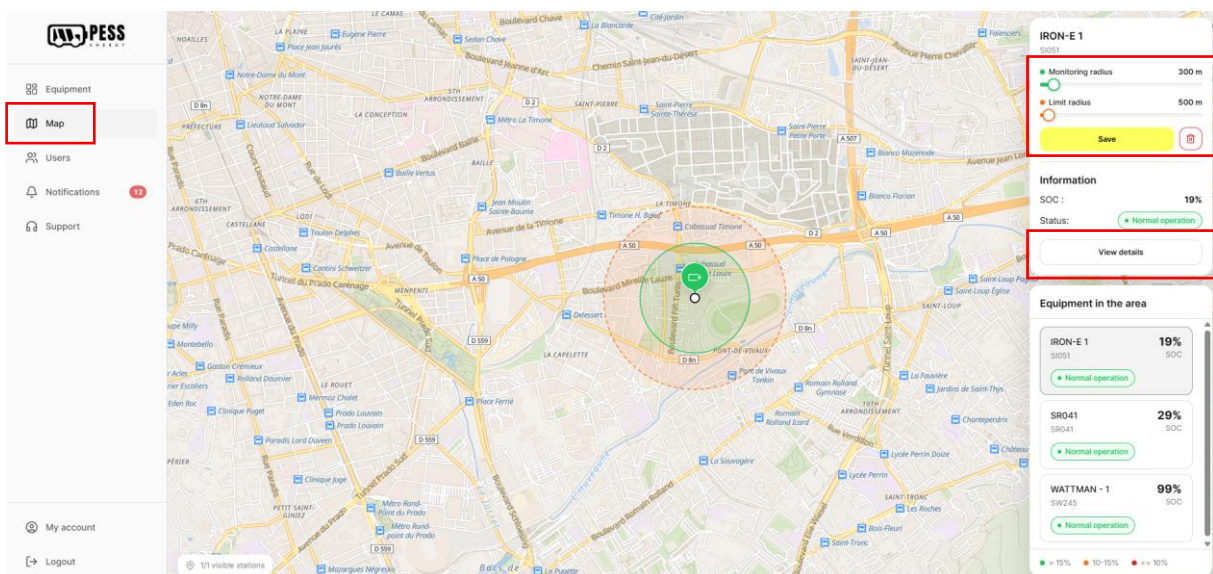
MAP

The *Map* page lets you locate Powerbanks using their GPS coordinates.

On the right side of the screen, the *Monitoring Radius* feature allows you to set a monitoring radius beyond which a *notification* is sent to the user.

The *Limit Radius* lets you set a limit radius beyond which an *alert* is sent to the user to warn them of any unwanted movement of the Powerbank.

The View Details button takes you to the Powerbank's details page.



USERS

The *Users* page allows you to view all users associated with the account and the organization.

A *Fleet Manager* can view the other *Fleet Managers* in their organization, as well as all their *Operators* and *Guests*.

An **Operator** can view their organisation **Fleet Managers**, as well as all their **Operators** and **Guests**.
Guests do not have access to the Users page.



Equipment

Map

Users

Notifications 12

Support

My account

Logout

User management

3 users

All

Fleet Managers

Operators

Guests

Search & Filter Users

+ New user

User	Contact	Role	Status	Last login	Actions
Alice Martin	alice@demo.com	Fleet Manager	Active	40 minutes ago	
Bob Dupont	bob@demo.com	Operator	Active	1 hour ago	
John Doe	015554 In 9 days	Guest	Active	5 hours ago	

List of users associated with this account:

User :

First + Last Name

Contact :

Email address (or Temporary Code)

Role :

Fleet Manager (e.g. Powerbank Owner)

Operator (e.g. Site Manager)

Guest (e.g. Technician)

Status :

Active – Inactive

Last Login :

When the user was last active.

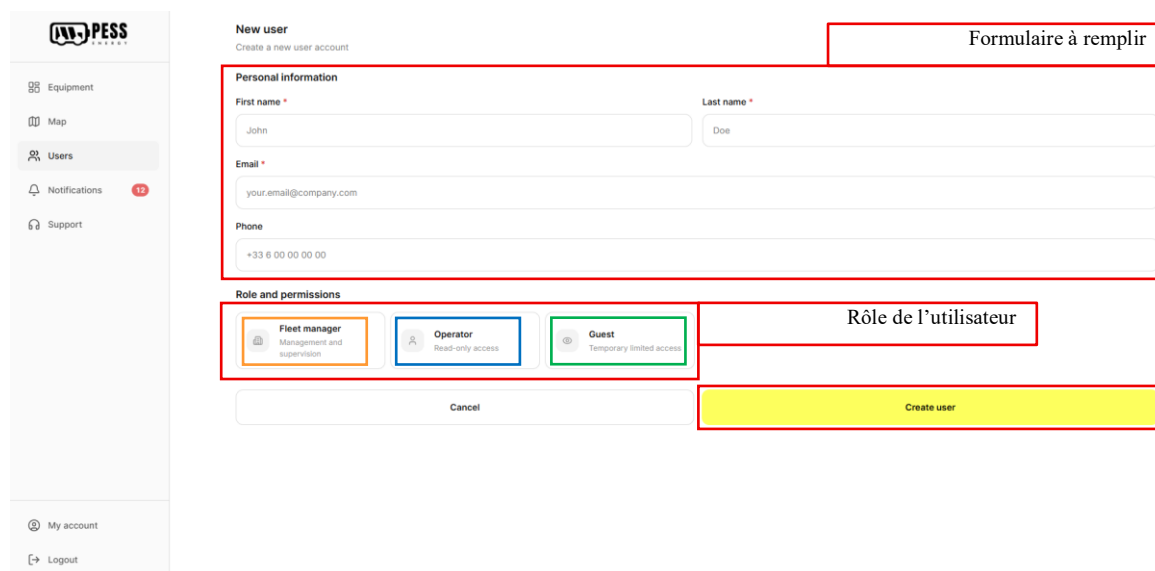
ADD A NEW USER

The *New User* page allows you to create a new user account with the following permissions:

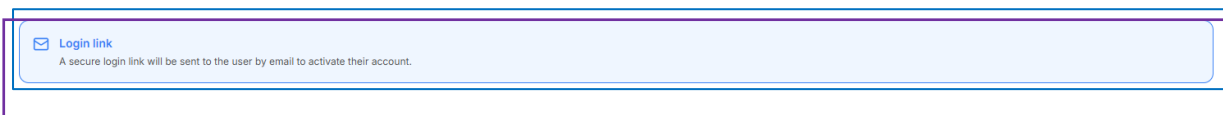
A Fleet Manager can create other **Fleet Managers**, **Operators**, and **Guests**.

An Operator can only create a **Guest** user.

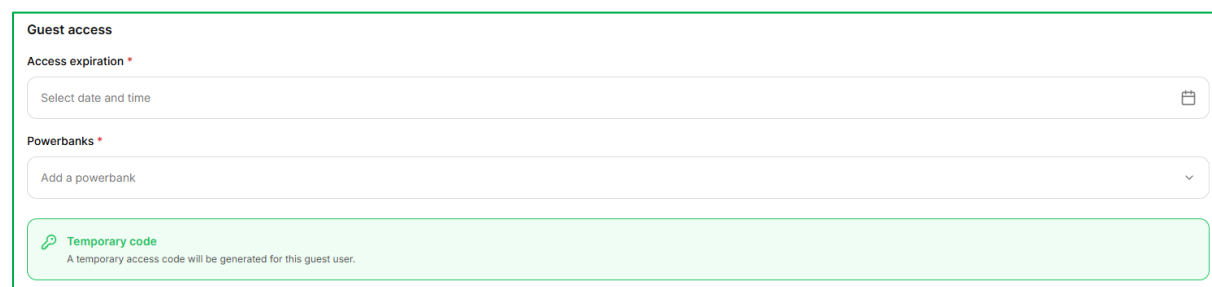
A Guest cannot create users.



If a **Fleet Manager** or **Operator** account is created, a secure login link is sent to the future user's email address.



If a **Guest** account is created, you must specify an *Access Expiration Date* beyond which the user will no longer be able to log in to the App. In addition, you must assign the Powerbanks to which the user will have access.



NOTIFICATIONS

The *Notifications* page allows users to view the various notifications and alerts sent by the Powerbank.

You can access the Powerbank's details page by clicking on the notification's serial number.

Notifications

Follow all alerts and events from your powerbanks

Mark all as read

Delete all

All Critical Warning Info

Filtre des Notifications

Notifications

12 UNREAD

Charge threshold reached
Level at 97%, threshold at 95%
SR041 - 15 days ago

N° de Série permettant d'aller sur la page de détail du powerbank

Low battery
Level at 23%, threshold at 40%
SR041 - 15 days ago

Charge threshold reached
Level at 99%, threshold at 95%
WATTMAN - 1 - 19 days ago

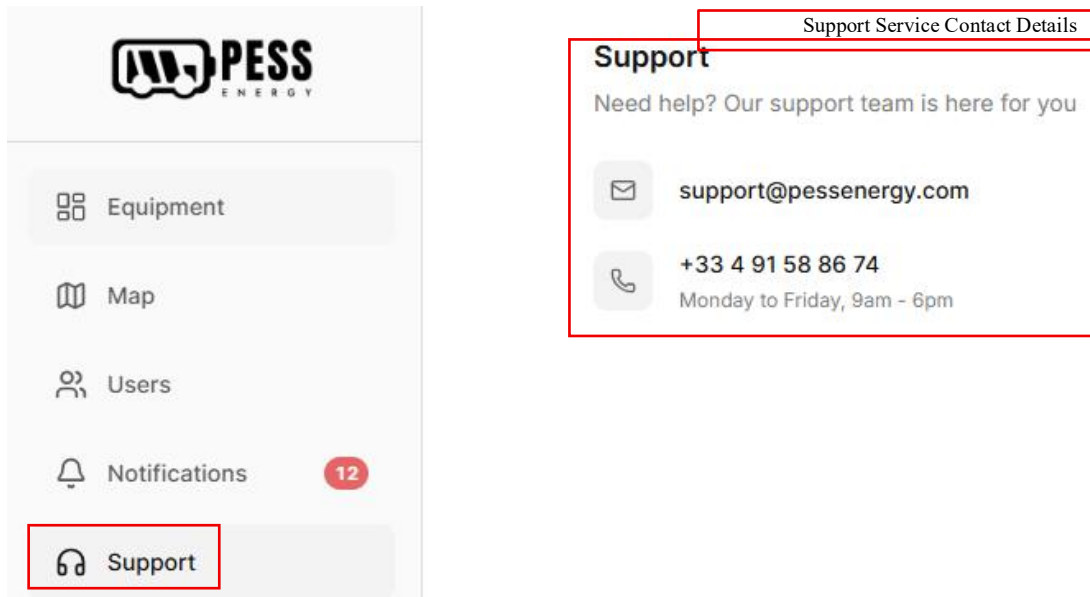
Charge threshold reached
Level at 99%, threshold at 95%
WATTMAN - 1 - 20 days ago

Left zone
The powerbank left its surveillance zone.
IRON-E 1 - 20 days ago

Low battery
Level at 0%, threshold at 10%
IRON-E 1 - 21 days ago

SUPPORT

The Support page displays the contact information for PESS Energy Support.



Support

Need help? Our support team is here for you

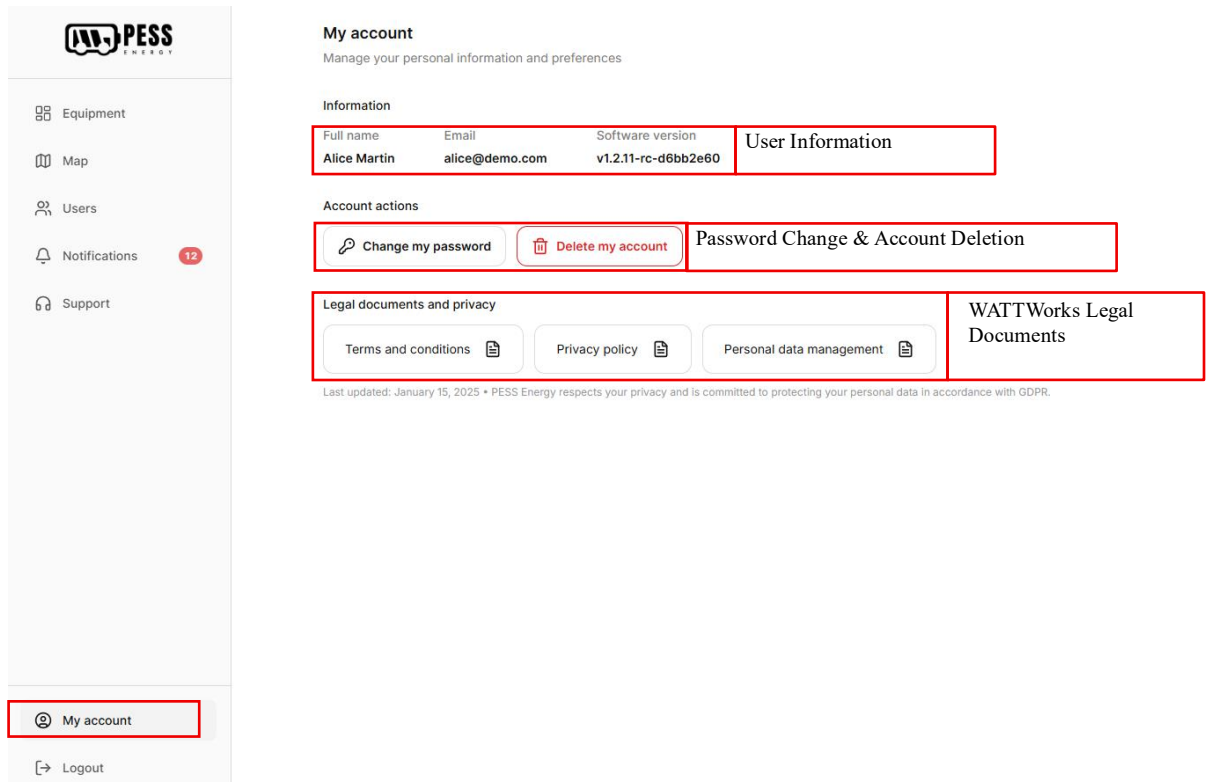
 **support@pessenergy.com**

 **+33 4 91 58 86 74**
Monday to Friday, 9am - 6pm

Support Service Contact Details

MY ACCOUNT

The *My Account* page lets you check your information, change your password, and delete your account.



My account
Manage your personal information and preferences

Information

Full name	Email	Software version	User Information
Alice Martin	alice@demo.com	v1.2.11-rc-d6bb2e60	

Account actions

 **Change my password**  **Delete my account** **Password Change & Account Deletion**

Legal documents and privacy

[Terms and conditions](#)  [Privacy policy](#)  [Personal data management](#)  **WATTWorks Legal Documents**

Last updated: January 15, 2025 • PESS Energy respects your privacy and is committed to protecting your personal data in accordance with GDPR.

My account

[Logout](#)