



Powerhill PDU Powerhill Battery Module

Installation Manual

ESPD04803508RCV01B
ESLP25H04835RCV01B

Manual de instalare



442.28.24.0

Before using this product, carefully read all product documentation and retain it for future reference.

Please read this manual before using the product.

This manual explains how to register your HV Modular Battery in the management application. There are several reasons why we encourage you to do so:

- in any moment you have a clear view of the batteries installed, both their status and the solar plant they're part of, including their location.
- monitor the battery parameters, receiving alarms and notifications in case of malfunctions or abnormal electrical values (voltages, power, state of charge etc.)
- real time technical support. In order to receive assistance from nJoy technical department for diagnose and fixing malfunction situations, a remote reading of the battery parameters and status is mandatory. This can be done only by registering the battery in the monitoring application, so we can better evaluate the battery behaviour.

Considering above statements, the main actions to achieve this are:

- contacting nJoy technical department (e-mail: suport@njoy.ro, phone: +40771103884) in order to create an installer account. Because monitoring of the HV batteries is performed on a different platform than the inverters one, the account created will be specific for the batteries.
- installing an Android app on installer's phone, application that allows registering the battery and plant on the platform.

The detailed steps for installing will be explained further below.

WARNING

At the installation location an WiFi network must be operative and the credentials (SSID and password) must be known.
If this is the first installation, using the QR code the installer downloads and installs Smart Industry application on his phone.



Smart Industry
application Download

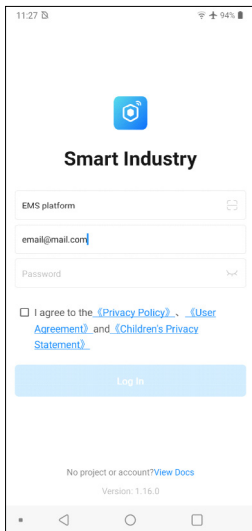
Installation

1. If the installer has already an account, jump to step 4.

If not, contact nJoy (e-mail: suport@njoy.ro, phone: +40771103884) and provide the following mandatory information in order to create the account:

- Company name and address
- Phone number, both company and installer
- E-mail address, both company and installer
- Installer name (will be the account name also)

2. The installer opens Smart Industry application and logs in the account just created (installer e-mail / nJoy_1234).

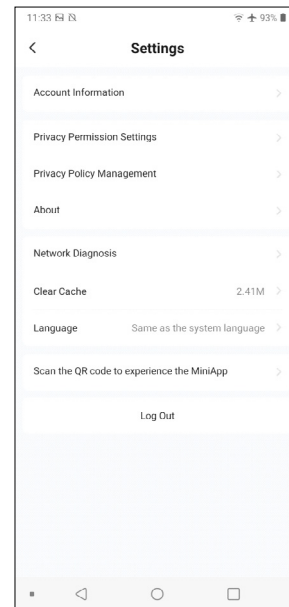
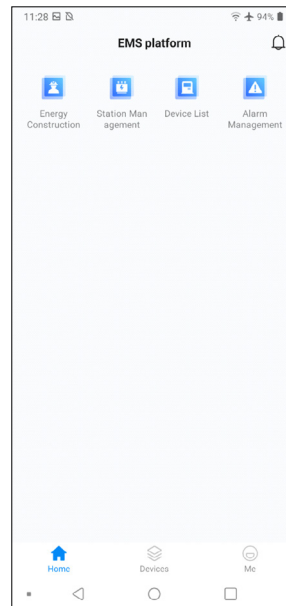


Smart Industry app Login



If this is the first time the account is used, the installer needs to scan again the QR code to log in successfully.

3. After logging in, pressing the **Me** button (down-right) and then **Settings** button will bring up the **Account** Information option, where installer can change the password with his own.



4. Using the **Station Management** button, installer creates a new plant by pressing **+Add**. At this point, the phone's GPS must be turned on for the application to read correctly the location. All info marked with red asterisk are mandatory.

Plant name—choose a name

Country / Region—choose from pop-up

Full Address—done using GPS localisation

Time zone—choose +2 Athens, Bucharest

Plant Type—Household

System Type—PV-Storage or PV-Storage-Consumption-Grid

PV Capacity—Photovoltaic panels power (kW)

Grid Type—self use, surplus to grid

Energy Storage Capacity—Battery capacity (kW)

Creation date

Owner Info/Owner phone number—Customer data

Plant Administrator—choose the installer current account

11:36 91%
< Create plant ... X

Plant Name*

Country/Region*

Full address*

Time zone*

Plant Type*

System Type*

Creation Date* 2024-07-04 11:34

Owner Info

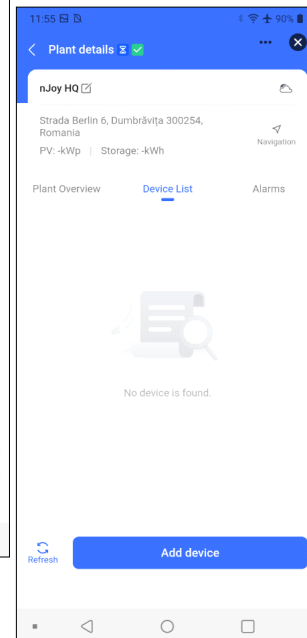
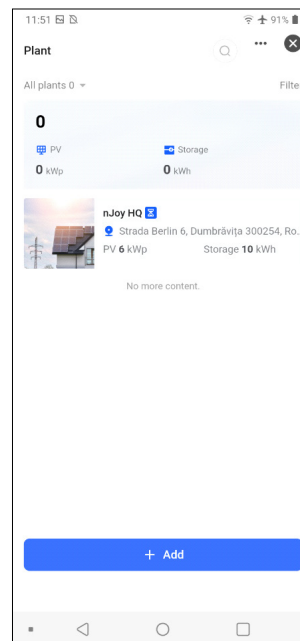
Owner's phone number

Plant Administrator*

Station Picture
Supported formats: JPG, PNG, Size limit: 10 MB

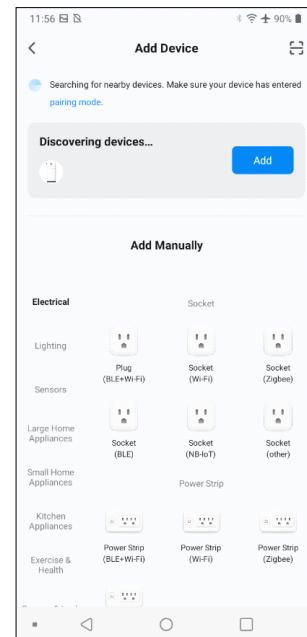
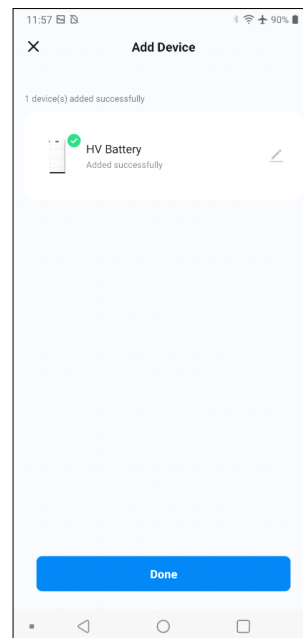
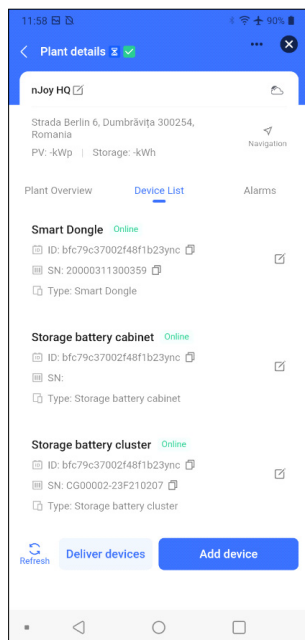
Save

5. Access the new created plant and, in order to add the battery, press **Device List** tab.



6. Turn on the Bluetooth on the phone, press **Add Device** and wait for the battery to be recognised. When the application requests, enter the WiFi network credentials (SSID and password)

Check if 3 items appeared in the device list: **Battery cluster**, **Battery cabinet** (Battery controller / BMS) and **Smart Dongle** (WiFi transmitter connected to the battery).



Cititi acest manual in totalitate inainte de a utiliza produsul.

Acest document explica modul in care se inregistreaza in aplicatia de management bateria modulara de inalta tensiune. Motivele pentru care va recomandam insistent sa se faca acest lucru sunt multiple, si anume:

- in orice moment aveti o situatie clara a bateriilor instalate, atat a starii lor cat si a centralei solare din care face parte, inclusiv a locatiei in care se gaseste.

- monitorizarea parametrilor bateriei, inclusiv notificarea de catre aplicatie a eventualelor disfunctionalitati sau valori anormale ale marimilor electrice (tensiune, putere generata, grad de incarcare etc.)

- obtinerea de suport tehnic in timp real. Pentru ca tehnicienii nJoy sa va poata asista in diagnosticarea si remedierea unei functionari defectuoase, e necesara o interogare de la distanta a parametrilor de functionare ai bateriei. Aceasta se poate face numai prin inregistrarea in aplicatie a bateriei instalate, astfel incat sa putem evalua cat mai bine comportamentul bateriei.

In acest sens, operatiunile necesare sunt:

- se contacteaza firma nJoy (e-mail: suport@njoy.ro, tel.0771103884) pentru a crea un cont de instalator. Intrucat platforma de monitorizare a bateriilor HV e diferita de cea pentru invertoare, se va crea un cont specific pentru baterie.

- se instaleaza pe telefon o aplicatie (android) in care se va inregistra bateria si echipamentul la care aceasta este instalata.

In continuare sunt detaliate pasii necesari:

WARNING

La locatie de instalare trebuie sa existe retea wireless la care sa se cunoasca credentialele (SSID si parola).

Daca e prima instalare, folosind codul QR se descarca si se instaleaza aplicatia Smart Industry pe telefonul instalatorului.



Descarcare aplicatie
Smart Industry

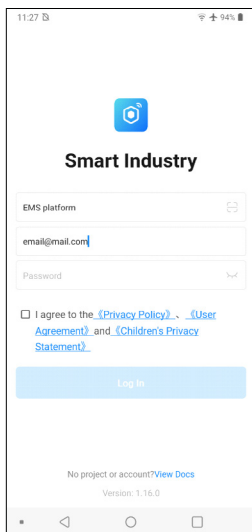
Instalare

1. . Daca instalatorul are deja cont facut, se continua cu pct.4

Daca nu, contacteaza nJoy si furnizeaza urmatoarele date necesare crearii contului de instalator:

- Numele si adresa firmei
- Numar de telefon (firma si instalator)
- Adresa de e-mail (firma si instalator)
- Numele instalatorului (va fi si numele contului)

2. Instalatorul deschide aplicatia Smart Industry si se va autentifica cu credentialele contului de instalator creat (e-mail instalator / nJoy_1234).

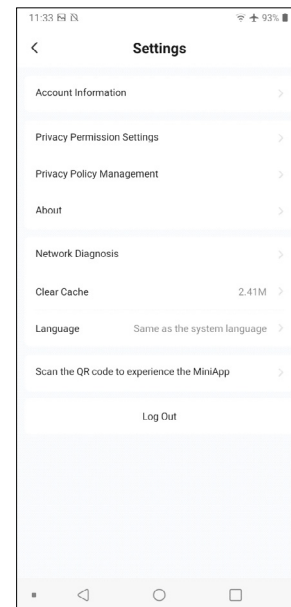


Inregistrare in aplicatia Smart Industry



Daca e prima instalare va trebui sa scaneze din nou codul QR din manual pentru a se putea autentifica cu succes.

3. Dupa ce intra in cont, din butonul **Me** (dreapta-jos) si apoi **Settings** (dreapta-sus) se intra in **Account Information** unde se poate schimba parola.



4. cu butonul **Station Management** se creeaza o noua centrala de energie, apasand **+Add**. In acest scop se recomanda ca GPS-ul sa fie pornit. Toate datele cu asterisc rosu sunt obligatorii:

Nume centrala - Se alege un nume

Tara / Regiune – se alege din pop-up

Full Address – se face localizare cu GPS

Time Zone – se alege +2 Athens, Bucharest

Plant Type – Household

System Type – PV-Storage sau PV-Storage-Consumption-Grid

PV Capacity – puterea panourilor in kW

Grid Type – self-use, surplus to grid

Energy Storage Capacity – capacitatea bateriei in kW

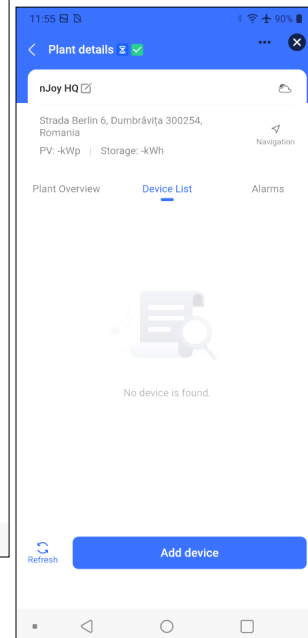
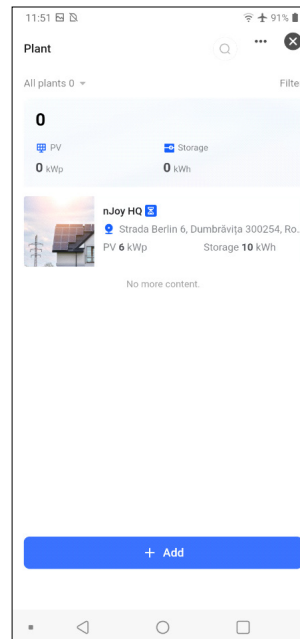
Creation date

Owner Info / Owner phone number – date despre proprietar

Plant Administrator – se alege contul curent al instalatorului

11:36 93%
< Create plant ... X
Plant Name*
Country/Region* Select >
Full address* Select >
Time zone* Select >
Plant Type* Select >
System Type* Select >
Creation Date* 2024-07-04 11:34 >
Owner Info Enter
Owner's phone number Enter
Plant Administrator* Select >
Station Picture
Supported formats: JPG, PNG, Size limit: 10 MB
Save

5. Se intra pe centrala nou creata si, pentru a se adauga bateria, se apasa tab-ul **Device List**.



6. Se porneste bluetooth-ul pe telefon, se apasa **Add device** si se asteapta ca bateria sa fie recunoscuta. Cand aplicatia o cere, se vor introduce datele de autentificare ale retelei WiFi (SSID si parola)

Se verifica daca au aparut 3 dispozitive: **Battery cluster** (grupul de baterii), **Battery cabinet** (Controller-ul bateriilor) si **Smart Dongle** (dispozitivul WiFi).

