

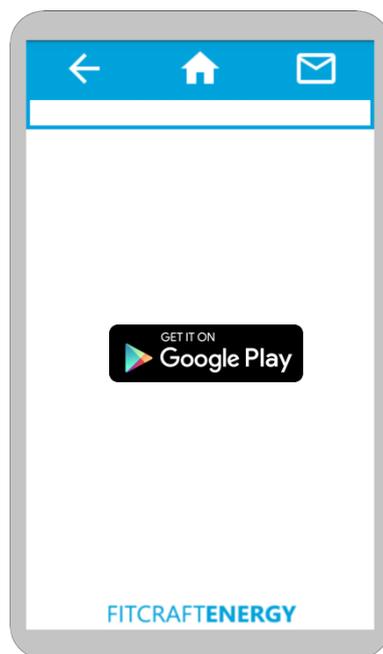


FITCRAFTENERGY

Instructions

NFC

Near Field Communication



For all *savebox* units!

Version 1

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1. Introduction

The FitCraftENERGY–NFC application has been designed to operate with all units produced by FitCraftENERGY, making life easier for all users.

However the app is only available for Android™¹ operating systems and downloadable from Google Play™¹.

You will be able to monitor spot values of your equipment as well as using this data during trouble shooting or for maintenance purposes, eg. checking battery levels before putting into storage etc..

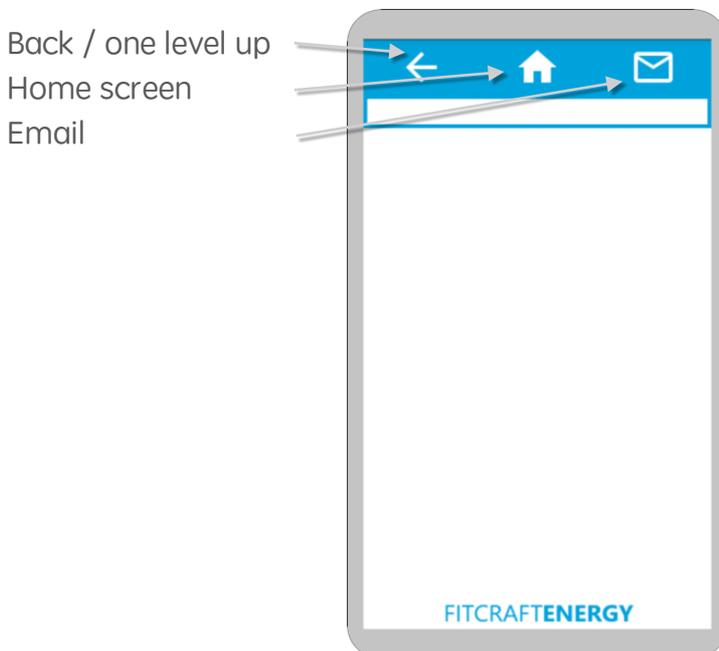
The following data is available:

- Cabinet temperature
- Battery's state of charge / discharge
- Input / output status
- Inverter data

2. Using the app

2.1. General design

Every time the app is activated, you will see the following frame. The three symbols at the top will be displayed on all other frames ie. always available.



¹ Android, Google Play and the Google Play logo are trademarks of Google Inc.

2.2. Back / one level up

Use this button to go up one level ie. back to the previous screen

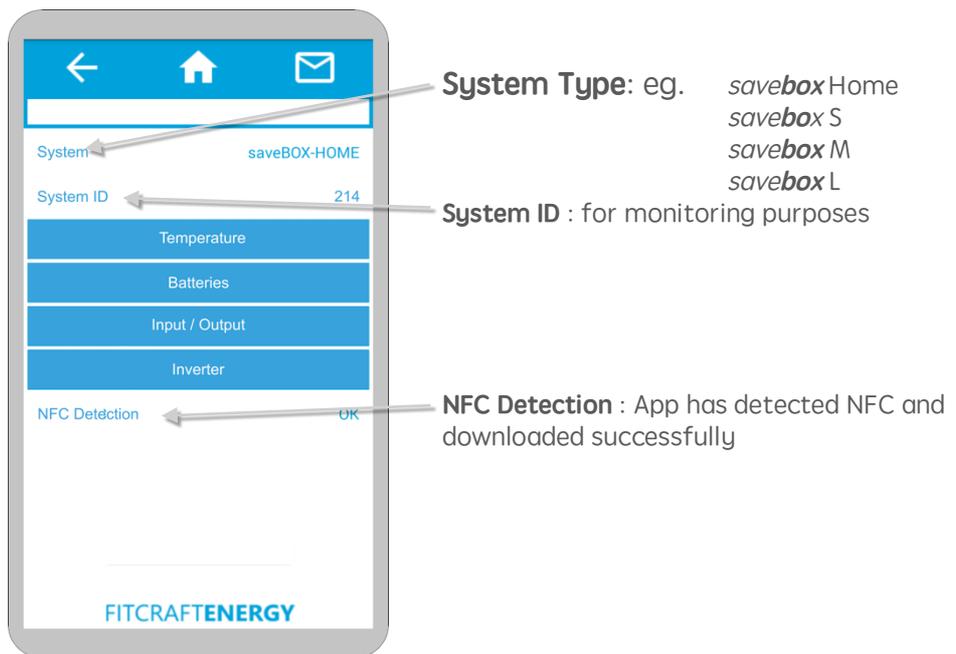
2.3. Home Screen

Tap this symbol from any view to return back to the initial opening screen.



Note: if there is no data available, the home screen will be as empty as seen above.

However, if you have recently downloaded data from the unit and have not closed the app you will see the following screen:



2.4. Email

Tap the envelope while viewing any of the above mentioned screens to send all the downloaded information to an email address of you choice.

2.5. Connecting

1. In order to access the available status info on your unit (eg. *savebox* H, *savebox* S, *savebox* M, *savebox* L) you must activate the NFC-functionality on your android phone first.
2. Activate the app. You will see the screen mentioned in 2.1 above.
3. Place the phone close to the NFC Symbol, almost touching it, on the respective *savebox* -unit.



4. Notice the following **responses** on your phone:



Note: Keep the phone as close to the symbol until you see the second screen on the right, above.



2.6. Available information

- Temperature
- Batteries
- Input / Output
- Inverter

Tap on any one of the above to access the downloaded information. See the menu overview 2.2.7, below.

2.7. Temperature

App displays the cabinet temperature.

Note: check the cabinet temperature if you experience unexpected shut downs during operation which may be caused by high inside temperatures, eg. if the unit has been placed in direct sunlight.



2.8. Batteries

You will see a list of batteries starting with Battery (0). That would be the first battery. The number of batteries displayed depends on how many batteries have been installed in your unit. For example you will see batteries 0 – 4 in a savebox H that has been equipped with 4 batteries.

For each battery pack the following will be displayed:

- Online “1” – internal monitoring active
“0” – internal monitoring inactive
- Status for monitoring purposes only
- Voltage batterys’ actual, measured voltage (V)
- Current batterys’ actual, measured current (A)
- State of Charge measured in %
- Temperature of that particular battery pack

2.9. Input / Ouput

Some *savebox* units are equipped with programmable auxiliary contacts/relays. The display will show which outputs are on – “1” or off – “0”.

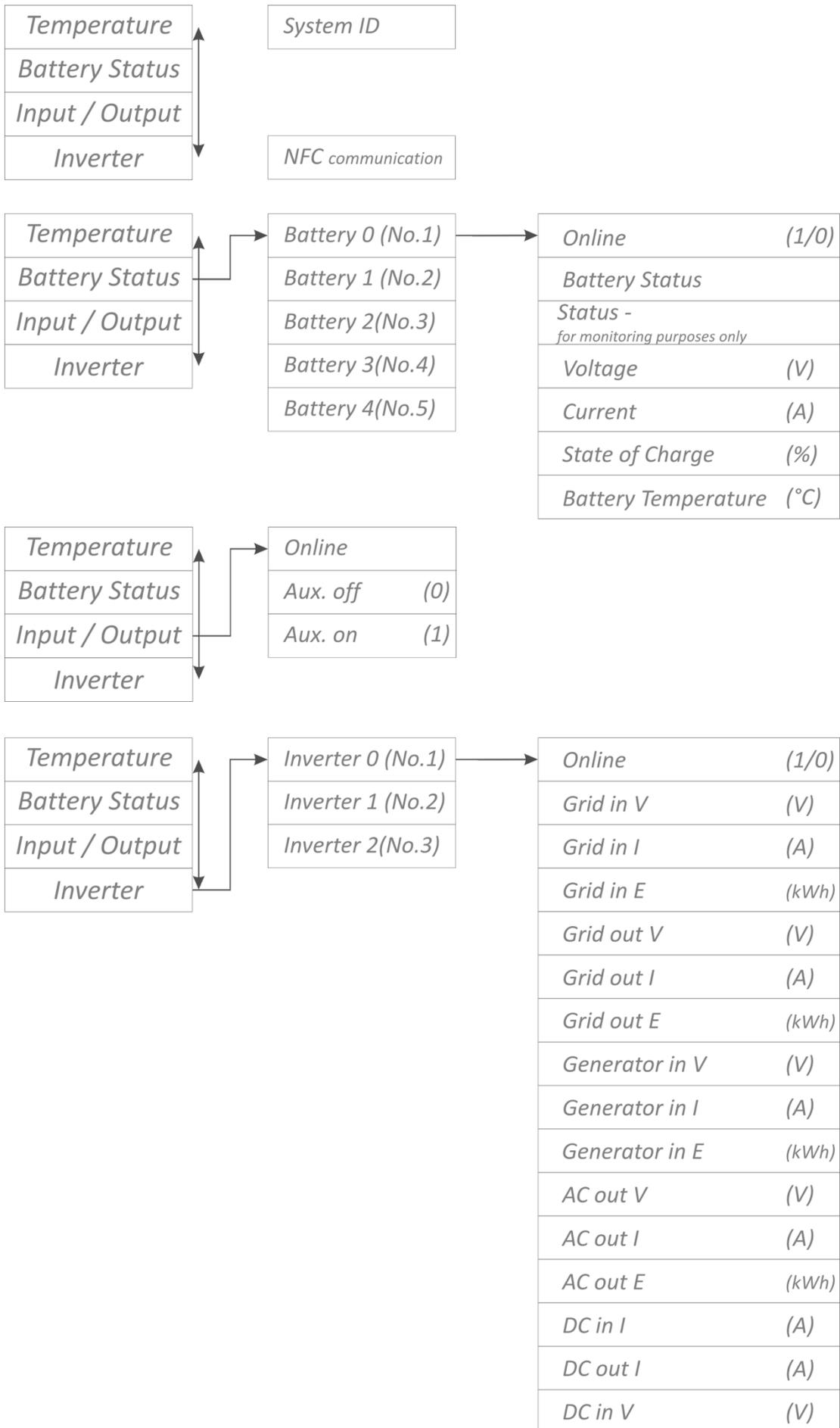
2.10. Inverter

Information displayed here also depends on how many inverters have been installed in the respective *savebox* unit:

Unit type	Inverters
<i>savebox</i> H	1
<i>savebox</i> S	1
<i>savebox</i> M	1
<i>savebox</i> L	1 – 3

- Online “1” – internal monitoring active
“0” – internal monitoring inactive
- Grid in V spot value of grid **input** voltage in V
- Grid in A spot value of grid **input** current in A
- Grid in E spot value of grid **input** energy in kWh
- Grid out V spot value of grid **output** voltage in V
- Grid out A spot value of grid **output** current in A
- Grid out E spot value of grid **output** energy in kWh
- Generator in V spot value of generator input voltage in V
- Generator in A spot value of generator input current in A
- Generator in E spot value of generator input energy in kWh
- AC out V spot value of AC voltage drawn by the load in V
- AC out I spot value of AC current drawn by the load in A
- AC out E spot value of AC energy drawn by the load in kWh
- DC in I spot value of DC input current in A (PV !)
- DC out I spot value of DC output current in A (Batteries)
- DC in V spot value of DC input voltage in V

2.11. Overview of menu



3. Legal

3.1. Disclaimer

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3.1.1. Disclaimer of Warranty.

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17. Interpretation of Sections 15 and 16.

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