

remo.nastec.eu



REMO is the revolutionary Nastec system for remote controlling devices.

To implement the control system REMO you will need to:

- Install an Android or iOS smartphone nearby Nastec device you wish to control. The smartphone, connected to the network via Wifi or GSM, communicates via Bluetooth with the associated Nastec device.
- Download and install Nastec NOW App on the smartphone, register for free and activate REMO mode.
- From a PC or mobile, connect to the portal **remo.nastec.eu** to monitor or program the Nastec device from anywhere in the world.

**This presentation shows
how to implement REMO control system
step by step and how to use it**

1

Purchase an Android or iOS smartphone.

For cost saving reasons it is suggested to use an Android smartphone with following minimum requirements:

- Good quality, proved reliability
- 2 GB RAM, 16 GB memory
- 3G/4G connectivity
- Wifi, Bluetooth (4.0)
- Android 6.0

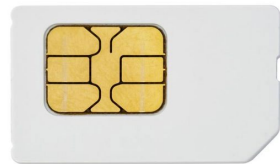
Contact Nastec service for further details and list of approved smartphones.



2

Connect the smartphone to the net via Wifi, if available, or GSM.

In case of GSM connection, purchase a local SIM card for data with minimum 1 GB/month traffic included.



In Android smartphones, in order to grant a stable operation of REMO system, it is recommended, whenever possible, to:

- Make a smartphone factory-reset
- No other App must be installed except Nastec NOW App.
- Enable automatic restart when smartphone is on-charge.
- Disable automatic operative system upgrading
- Disable screen lock at smartphone restarting



3

Download for free the latest version of **Nastec NOW** App from Google Play store.

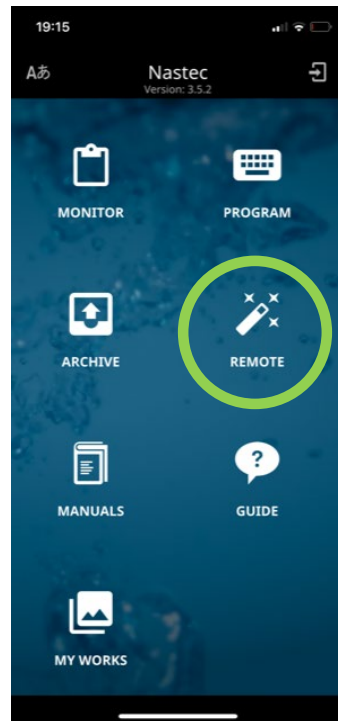
- Activate Bluetooth connection.
- Install the App and, if you are a new user, register with your personal data
- Wait for registration email (check also spam folder) and click on register confirmation
- Login to Nastec NOW App



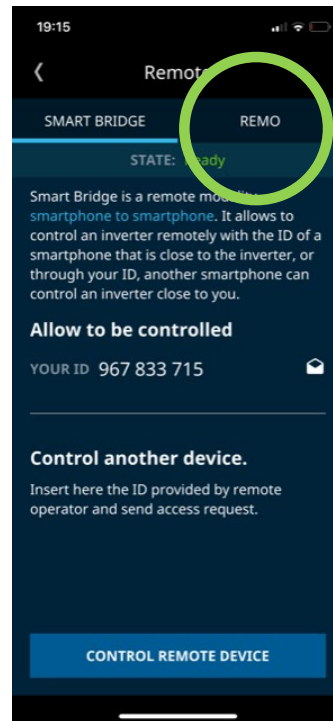
4

Start REMO mode:

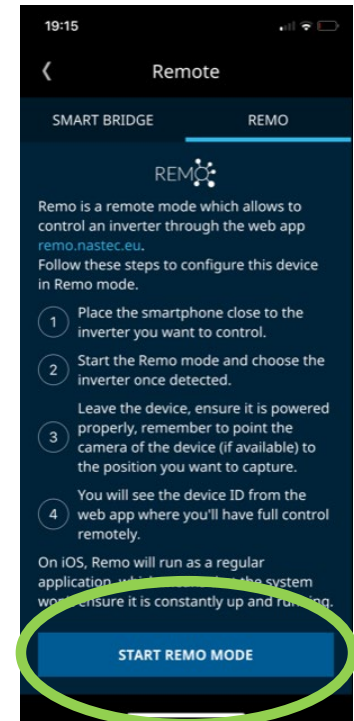
- Tap on REMOTE icon



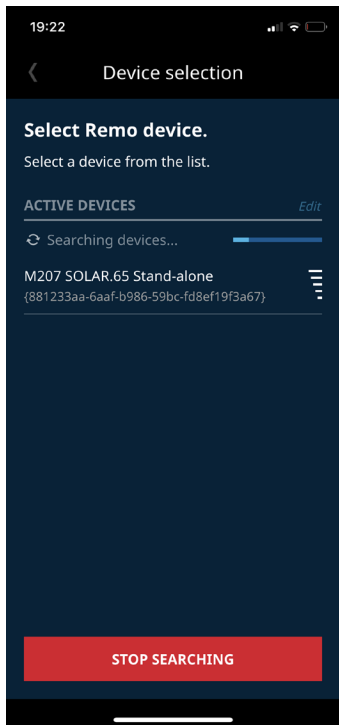
- Tap on REMO



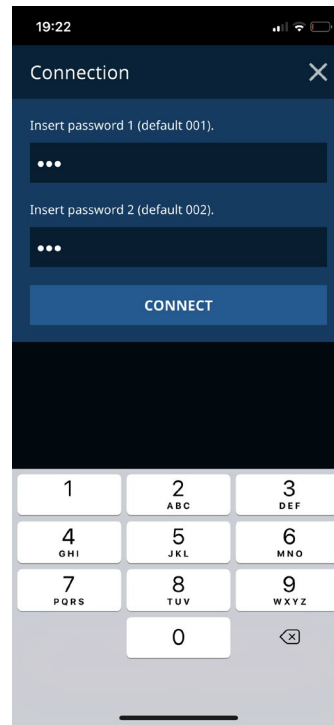
- Tap on START REMO MODE



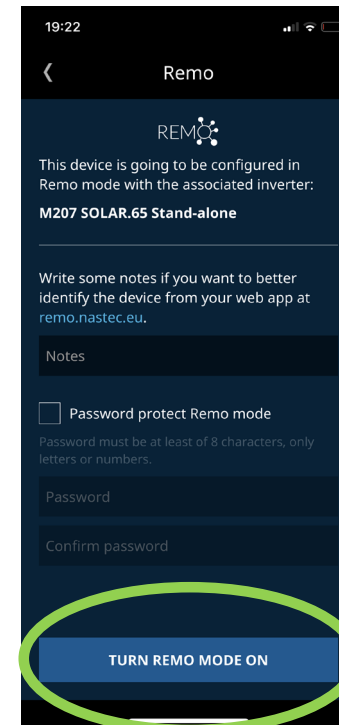
- Select the Nastec device nearby to be controlled (in the device verify that BTLE parameter is set to ON).



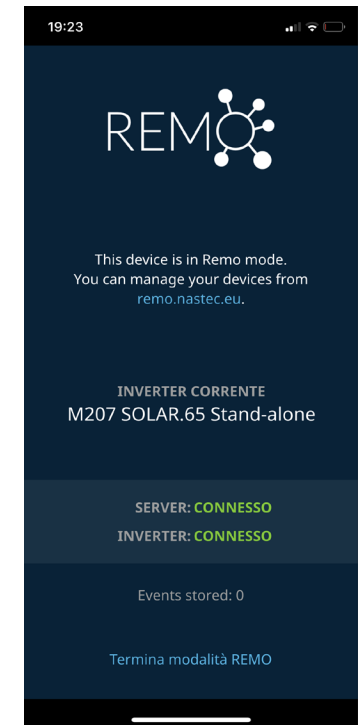
- Insert passwords (001 and 002 by default)



- Tap on TURN REMO MODE ON (if required, protect REMO mode by password)



- Verify that both SERVER and DEVICE are CONNECTED

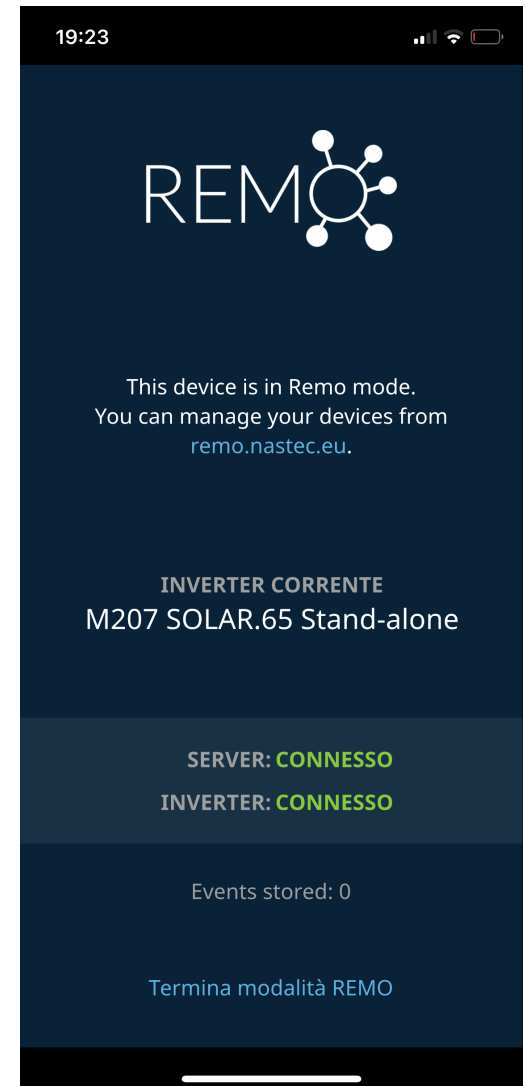


If SERVER is NOT CONNECTED verify:

- Wifi or GSM network coverage.

If DEVICE is NOT CONNECTED verify:

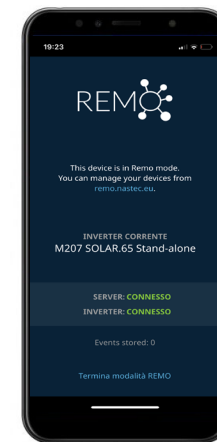
- That smartphone is within 5 meters from the Nastec device to be monitored.
- That BTLE parameter in the I/O parameters menù of Nastec device is set to ON.



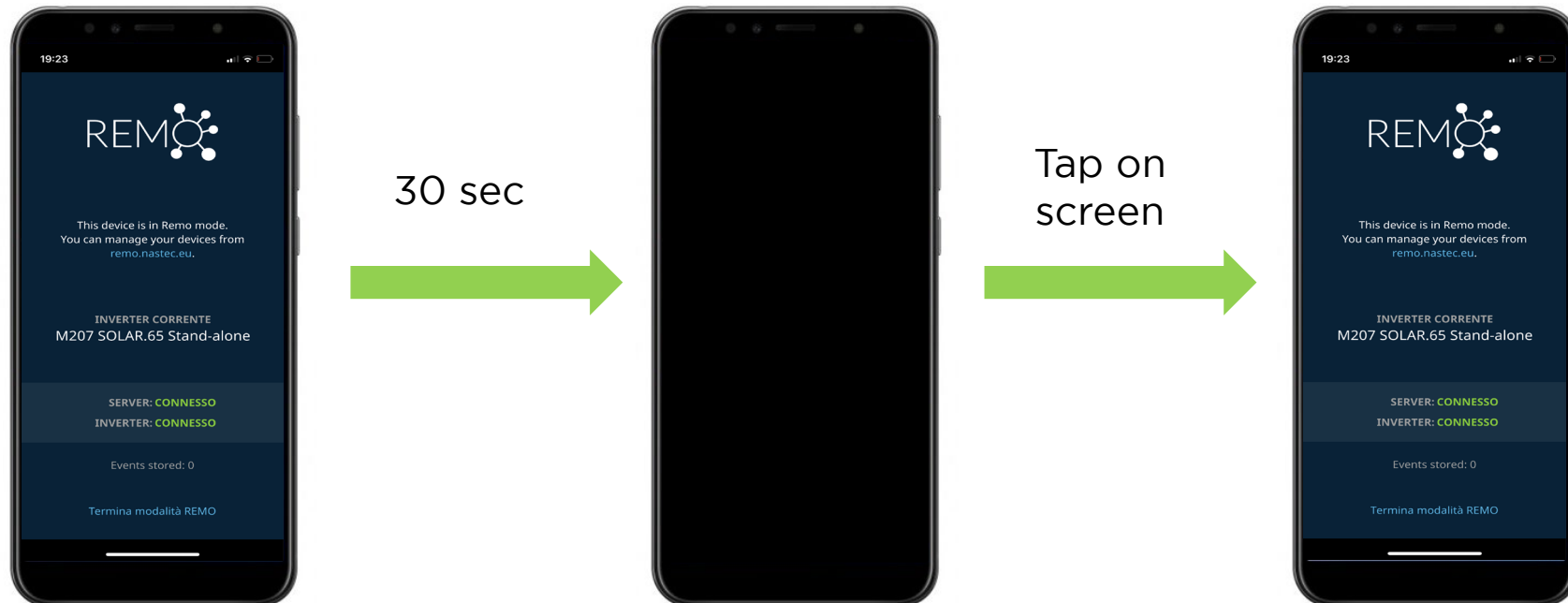
5

Leave the smartphone nearby the Nastec device to be controlled (within 5 meters) and connect the smartphone to energy source:

- Using the standard smartphone charger (grid-connected applications)
- Using the USB cable connected to 5V supply of Nastec device (solar applications)

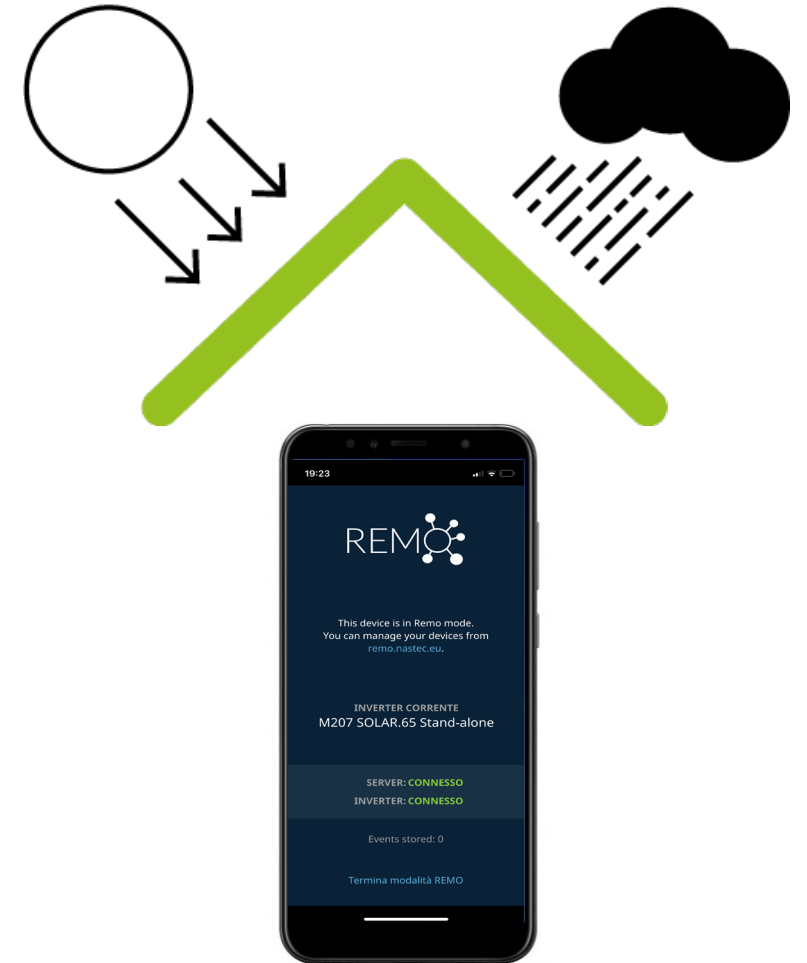


**AFTER 30 SECOND OF INACTIVITY, THE SCREEN GOES OFF FOR POWER SAVING. TAP ON THE BLANK SCREEN IN ORDER TO WAKE UP THE SCREEN.
!!! DON'T PRESS THE LOCK (POWER) BUTTON ON THE SMARTPHONE OTHERWISE REMO SERVICE WILL BE SUSPENDED !!!**



Protect the smartphone from:

- Direct sunlight
- Direct exposure to rain and weather agents



Direct smartphone camera in the direction
you want to monitor during REMO operation



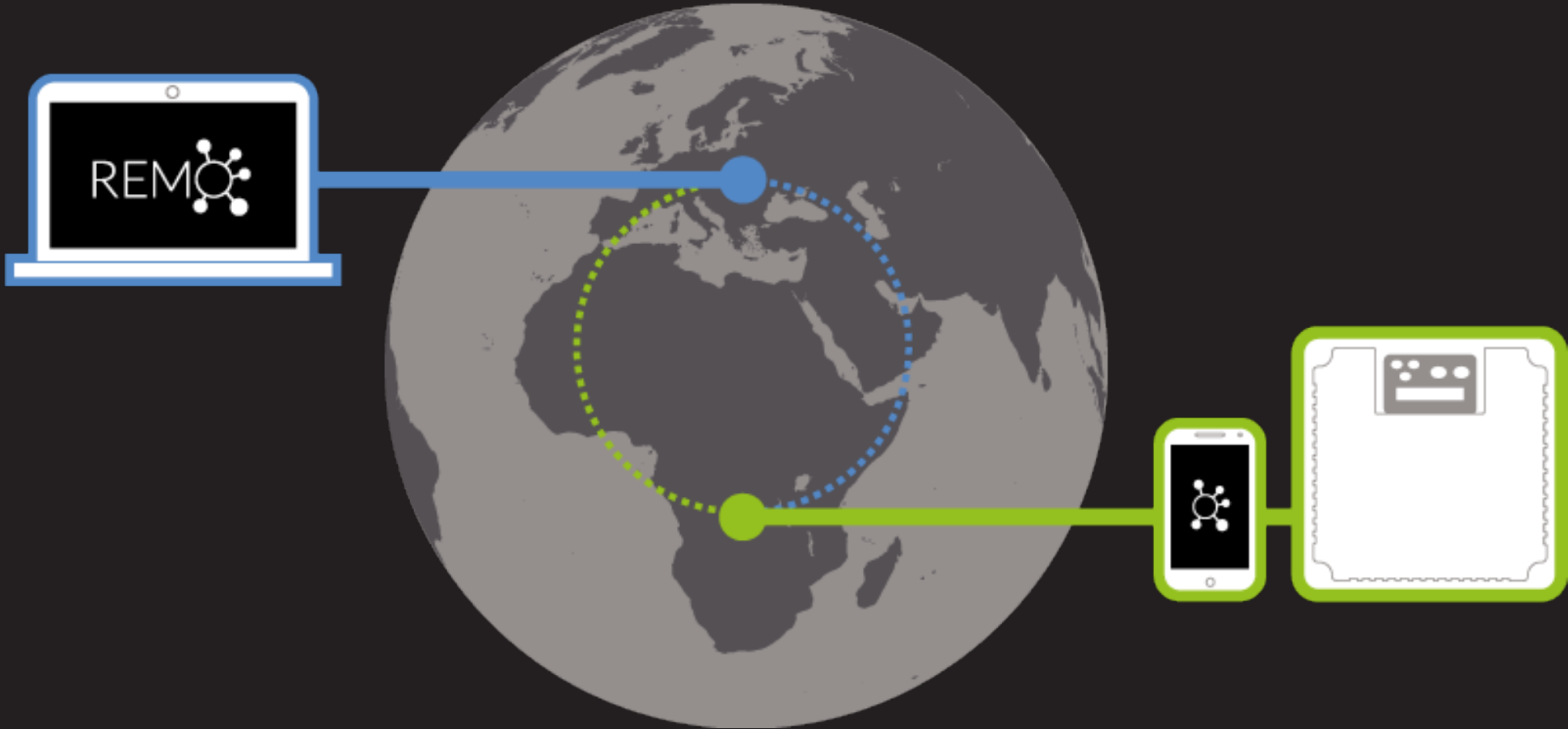
6

Connect to:

remo.nastec.eu

In order to monitor or program
your Nastec device from anywhere
in the world!





Insert the same email address and password used for registration to Nastec NOW App and login.




manage your devices remotely

V1.4.1



Login

Insert your account informations.

 alessio.sinico@nastec.eu



[LOGIN NOW](#)

Not registered? [Register now](#)

[Forgot your password?](#)

List of your devices

Filter by tag

Id	Name	Current inverter	Location	Owner	Last contact	Notes	Tag
810 161 870	V415 SOLAR.64 Stand-alone	00:1E:C0:7C:2F:0A	Viale Eretenio, Vicenza	Alessio Sinico	3 days ago		-
695 300 355	V430 SOLAR.64 Stand-alone	00:1E:C0:68:70:33	Via del Progresso, 10, 36024 Mossano VI, Italy	Alessio Sinico	6 minutes ago		-
245 272 696	M207 SOLAR.64 Stand-alone	04:91:62:1F:3A:6D	Via della Tecnica, 8, 36021 Barbarano Vicentino VI, Italy	Alessio Sinico	an hour ago		-

> CONNECT

BACKUP LIST

This is REMO home page.
 On the left side there is the navigation bar with:

- User informations (where is possible to edit profile or logout)
- Device List (the Map shows the installed devices as markers in the interactive world map).

On the Devices list, it is possible to connect to the desired device (one by one) clicking on **CONNECT**.

BACKUP LIST shows the list of backups made for a certain device.

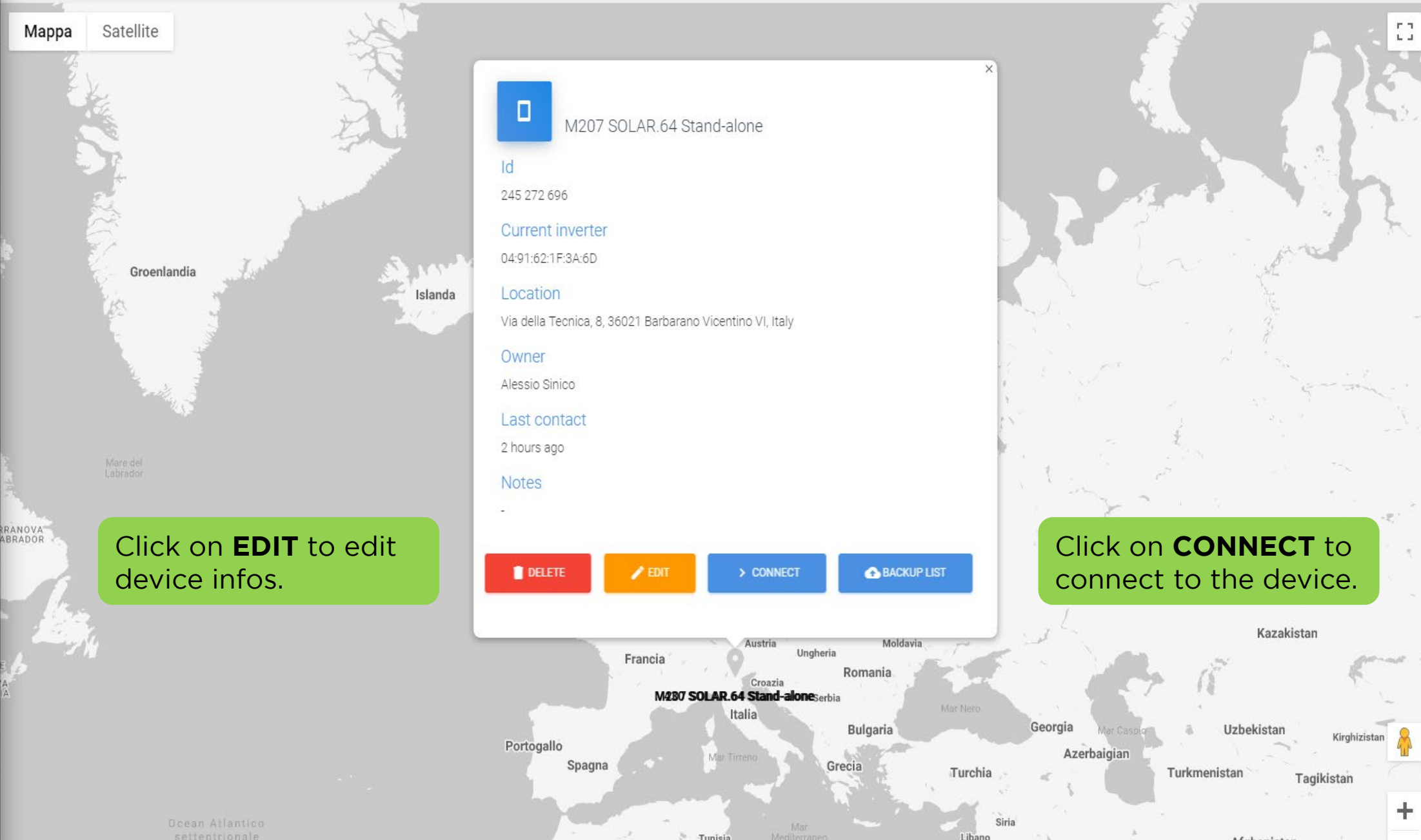


Clicking on the marker it is possible to see device informations

M287 SOLAR.64 Stand-alone

Mappa Satellite

- Alessio Sinico
- Edit Profile
- Logout
- Device List
- Map



M207 SOLAR.64 Stand-alone

Id
245 272 696

Current inverter
04:91:62:1F:3A:6D

Location
Via della Tecnica, 8, 36021 Barbarano Vicentino VI, Italy

Owner
Alessio Sinico

Last contact
2 hours ago

Notes
-

DELETE
EDIT
CONNECT
BACKUP LIST

Click on **EDIT** to edit device infos.

Click on **CONNECT** to connect to the device.

In the **MONITOR** page is possible to:

- monitor in real time the device parameters.
- start and stop the pump
- verify alarms presence

Machine status

MARCIA

No alarms

START MACHINE STOP MACHINE

BTLE status	Connected
Last change time	06 May 2019, 06:07:21 am
Number of reconnections	1
App version	3.5.4
OS type	android
OS version	8.1

Connection status

Monitor parameters

Parameters saving in csv (Excel) format

Save csv

Last update: 06 May 2019, 01:15:18

Parameter name	Value	Unit
Actual value	2.9	bar
Set value	3.0	bar
Frequency	44.9	Hz
Voltage Bus DC	338	V
Motor current	8.4	A
Motor power factor	0.82	
Power	2200	W
Module temperature	53	°C

In the **PROGRAM** page is possible to change the device parameters. It's also possible to import or save the parameters in csv (Excel) format.

Program parameters

Import csv Save csv

CONTROL	MOTOR	IN / OUT	CONNECT
---------	-------	----------	---------

Parameter name	Value	Unit	
Control mode	MPPT		
Max alarm value	10.0	bar	
Min alarm value	0.0	bar	
External set enabling	<input type="checkbox"/>	-	
Set value	3.0	bar	
Compensation	0.0	bar	
Value set update	5	sec	
Frequency min monitor	50	Hz	
Stop delay	5	sec	
Control ramp	40.0	sec	
Delta start	0.5	bar	
Delta stop	0.5	bar	
Delta control	0.1	bar	

- Alessio Sinico
- Edit Profile
- Logout
- Device List
- Map
- Device 695300355
- Monitor
- Program
- Alarms**
- Charts
- Camera
- Settings

Alarm history

Elements per page: 10

In the **ALARMS** page is possible to check the alarm history and save it in csv (Excel) format.

Clicking here more infos on the alarm are displayed

Save csv

Displaying 41 - 50 of 128 elements

Alarm name	Inverter life	Date	Time	
Under voltage	24 days 9 hours 55 minutes 46 seconds	03 May 2019	23:40:40	i
Under voltage	24 days 8 hours 54 minutes 43 seconds	03 May 2019	22:34:13	i
Max value alarm	24 days 2 hours 50 minutes 43 seconds	03 May 2019	12:35:32	i
Max value alarm	24 days 2 hours 50 minutes 38 seconds	03 May 2019	12:35:02	i
Max value alarm	24 days 2 hours 50 minutes 33 seconds	03 May 2019	12:34:32	i
Max value alarm	24 days 2 hours 50 minutes 28 seconds	03 May 2019	12:34:02	i
Max value alarm	24 days 2 hours 50 minutes 23 seconds	03 May 2019	12:33:32	i
Max value alarm	24 days 2 hours 50 minutes 18 seconds	03 May 2019	12:33:01	i
Max value alarm	24 days 2 hours 50 minutes 14 seconds	03 May 2019	12:32:32	i
Max value alarm	24 days 2 hours 50 minutes 8 seconds	03 May 2019	12:32:02	i

FIRST 1 2 3 4 5 6 7 8 9 10 LAST

RELOAD

- Alessio Sinico
- Edit Profile
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Alarms

Alarm history

Elements per page: 10

Alarm name	Uptime	Date	Time	
Under voltage	24 days 9 hours 55 minutes 46 seconds	03 May 2019	23:40:40	i
Under voltage	24 days 8 hours 54 minutes 43 seconds	03 May 2019	22:34:13	i
Max value alarm	24 days 2 hours 50 minutes 43 seconds	03 May 2019	12:35:32	i
Max value alarm	24 days 2 hours 50 minutes 38 seconds	03 May 2019	12:35:02	i
Max value alarm	24 days 2 hours 50 minutes 33 seconds	03 May 2019	12:34:32	i
Max value alarm	24 days 2 hours 50 minutes 28 seconds	03 May 2019	12:34:02	i
Max value alarm	24 days 2 hours 50 minutes 23 seconds	03 May 2019	12:33:32	i
Max value alarm	24 days 2 hours 50 minutes 18 seconds	03 May 2019	12:33:01	i
Max value alarm	24 days 2 hours 50 minutes 14 seconds	03 May 2019	12:32:32	i
Max value alarm	24 days 2 hours 50 minutes 8 seconds	03 May 2019	12:32:02	i

FIRST 1 2 3 4 5 6 7 8 9 10 LAST

RELOAD

Under voltage

Uptime
24 days 9 hours 55 minutes 46 seconds

Description
Power supply voltage is lower than limit or not enough energy is available from power source. If input voltage is verified to be within limits and still UNDERVOLTAGE alarm comes out, contact technical service.

CLOSE

Save csv

Displaying 41 - 50 of 128 elements

Choose a date range

26 APR 2019, 00:00:00 - 06 MAY 2019, 23:59:59

Select one or more parameters to see related charts.

REFRESH

SELECT PARAMETERS

In the **CHARTS** page is possible to check all the parameters plotted on time-based graphs. It is just needed to select:

- Date range
- Parameters to be plotted

Choose a date range

06 MAY 2019, 00:00:00

Select one or more parameters to see related charts.

REFRESH

SELECT PARAMETERS

Select a date and time range

From

05/06/2019

TODAY

00 : 00

To

05/06/2019

TODAY

23 : 59

UPDATE AND FILTER

CANCEL

Choose a date range 06 MAY 2019, 00:00:00

Select one or more parameters to see related charts.

REFRESH

SELECT PARAMETERS

Select parameters to show

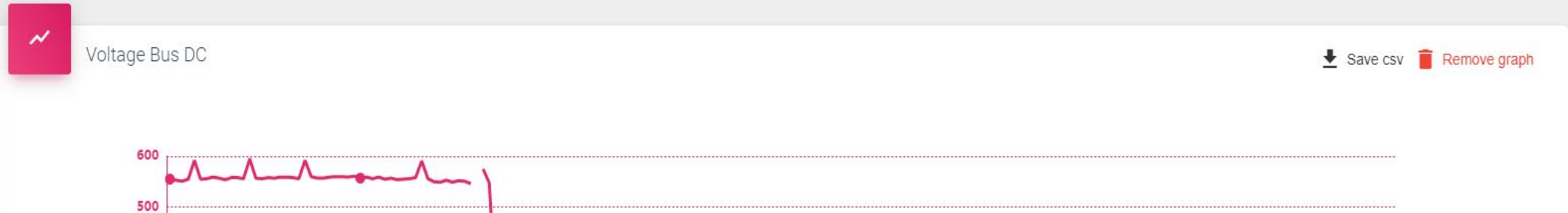
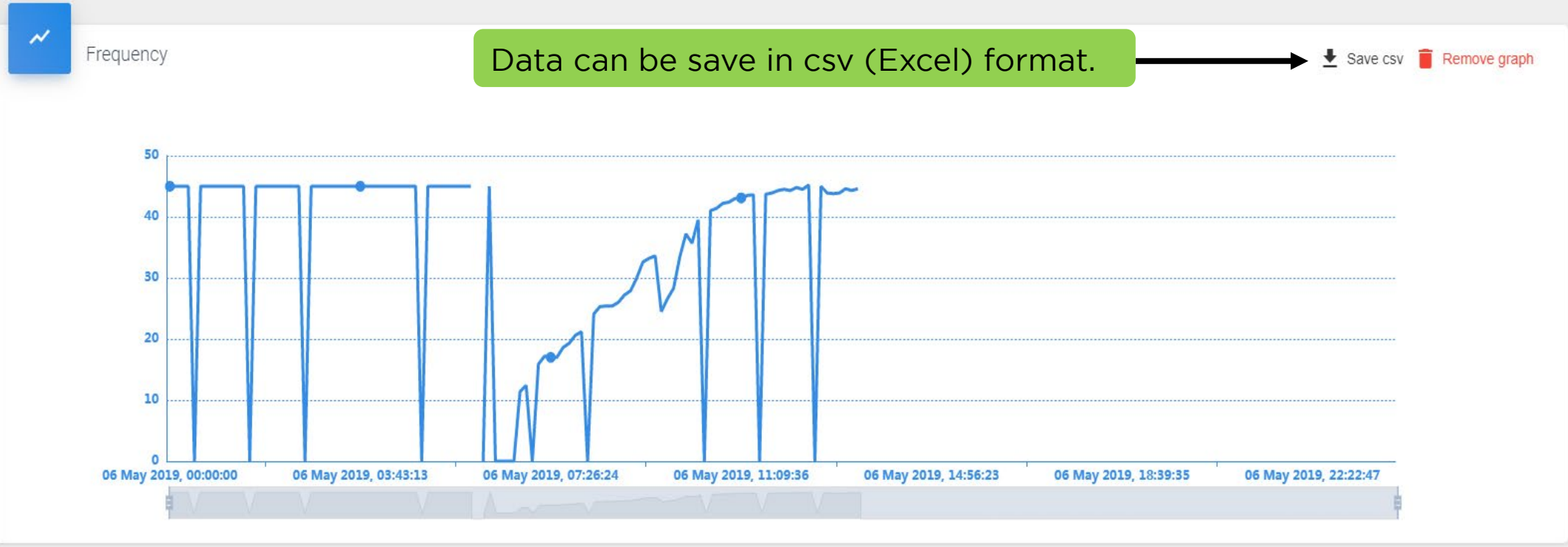
- Actual value
- Set value
- Frequency
- Voltage Bus DC
- Motor current
- Motor power factor
- Power
- Module temperature
- PCB temperature
- Inverter hours
- Motor hours

OK
CANCEL

- Alessio Sinico
- EP Edit Profile
- LO Logout
- Device List
- Map
- Device 695300355
- Monitor
- Program
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- Charts**
- Camera
- Settings

Choose a date range
06 MAY 2019, 00:00:00 - 06 MAY 2019, 23:59:59

Select one or more parameters to see related charts.





Camera picture

Front camera Back camera

GET A PHOTO

It is possible to take pictures using the front or back camera of the smartphone

- Alessio Sinico
- Edit Profile
- Logout
- Device List
- Map
- Device 695300355
- Monitor
- Program
- Alarms
- Charts
- Camera
- Settings

- Alessio Sinico
- Edit Profile
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- Device List
- Map
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- Monitor
- Program
- Alarms
- Charts
- Camera**
- Settings

Camera picture

Save picture → Save image



📱 Information of your device

Name V430 SOLAR.64 Stand-alone

Id 695 300 355

Tag Insert your tag

Notes

Location Via del Progresso, 10, 36024 Mossano VI, Italy

GPS coordinates 45.4158897, 11.5849421

First contact -

Last contact 06 May 2019, 01:42:27

In the **SETTINGS** page is possible:

- Modify device informations
- Change data sampling period
- Set email addresses for alarms warning
- Share device monitoring with other users

⚙️ Device settings

- Sampling period
- 1 second
 - 5 seconds
 - 10 seconds
 - 30 seconds
 - 1 minute

Last contact 06 May 2019, 01:42:27



Device settings

- Sampling period
- 1 second
 - 5 seconds
 - 10 seconds
 - 30 seconds
 - 1 minute



Alarm configuration

Notify alarm by email

Email 1

ADD EMAIL

SET ALARMS

It is possible to set the kind of alarms to be warned about.













Share this device

Email 1



Email 2

ADD EMAIL

✓ SAVE

-  Alessio Sinico ▼
- EP Edit Profile
- LO Logout
-  Device List
-  Map
-  Device 695300355 ^
-  Monitor
-  Program
-  Alarms
-  Charts
-  Camera
-  Settings

☰

Id	User	Creation date	Last update	Expiry date	Downloaded	Status	
5ccc6f66873e1d170656cf25	Alessio Sinico	03 May 2019, 06:42:14 PM	03 May 2019, 06:42:35 PM	04 May 2019	No	COMPLETED	 
5c8b7c893e3f3f30ad744511	Alessio Sinico	15 Mar 2019, 11:20:57 AM	15 Mar 2019, 05:36:32 PM	16 Mar 2019	Yes	DELETED	
5c8bd1f63e3f3f30ad744517	Luca Carlon	15 Mar 2019, 05:25:26 PM	15 Mar 2019, 05:33:45 PM	16 Mar 2019	No	DELETED	
5c8bb5eb3e3f3f30ad744515	Luca Carlon	15 Mar 2019, 03:25:47 PM	15 Mar 2019, 05:24:19 PM	16 Mar 2019	No	DELETED	
5c8bcd793e3f3f30ad744516	Luca Carlon	15 Mar 2019, 05:06:17 PM	15 Mar 2019, 05:24:16 PM	16 Mar 2019	No	DELETED	

- < BACK TO DEVICE LIST
- ↻ REFRESH
- ☁️ NEW BACKUP

In order to save data in your local PC, it is possible to create a new backup of the device.



> we move it faster >