SUNGROW

SUNGROW RESIDENTIAL PORTFOLIO

YOUR SPEAKERS

For Today

ANDREA POLINI
PRODUCT MANAGER HYBRID & ESS

TECHNICAL PRESALES SUPPORT
& PRODUCT OWNER STORAGE

a.polini@sungrow-emea.com
M: 0049 172 760 3278

ELEONORA POTESTIO
PRODUCT MANAGER

TECHNICAL PRESALES &
PRODUCT OWNER RESIDENTIAL / COMMERCIAL

e.potestio@sungrow-emea.com
M: 0049 172 663 5021

WE ARE SUNGROW

Simple idea and great passion. That's how Professor Cao started the journey.

1997

FOUNDATION

SUNGROW EUROPE

Global leading with strong local presence

12 local teams

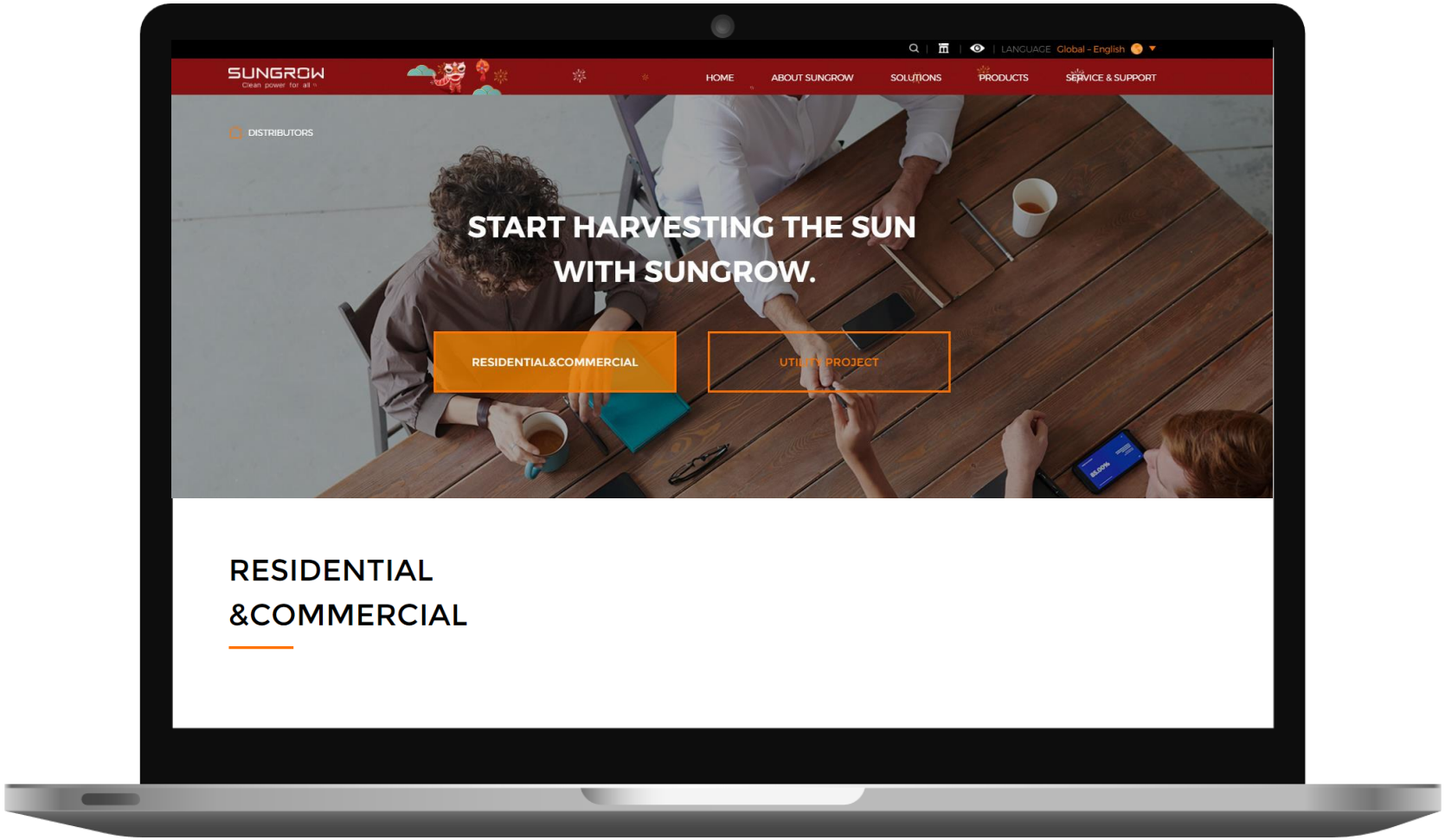
7 service hubs

7 subsidiaries

2 training centers

NEW WEBSITE

www.sungrowpower.com



THE NEW 3-PHASE

THE NEW 3-PHASE

MAXIMUM FREEDOM.

THE NEW 3-PHASE

Maximum Freedom

SG5.0RT | SG6.0RT

SG7.0RT | SG8.0RT

SG10RT | SG12RT

THE NEW 3-PHASE

Maximum Freedom

SG15RT

SG17RT

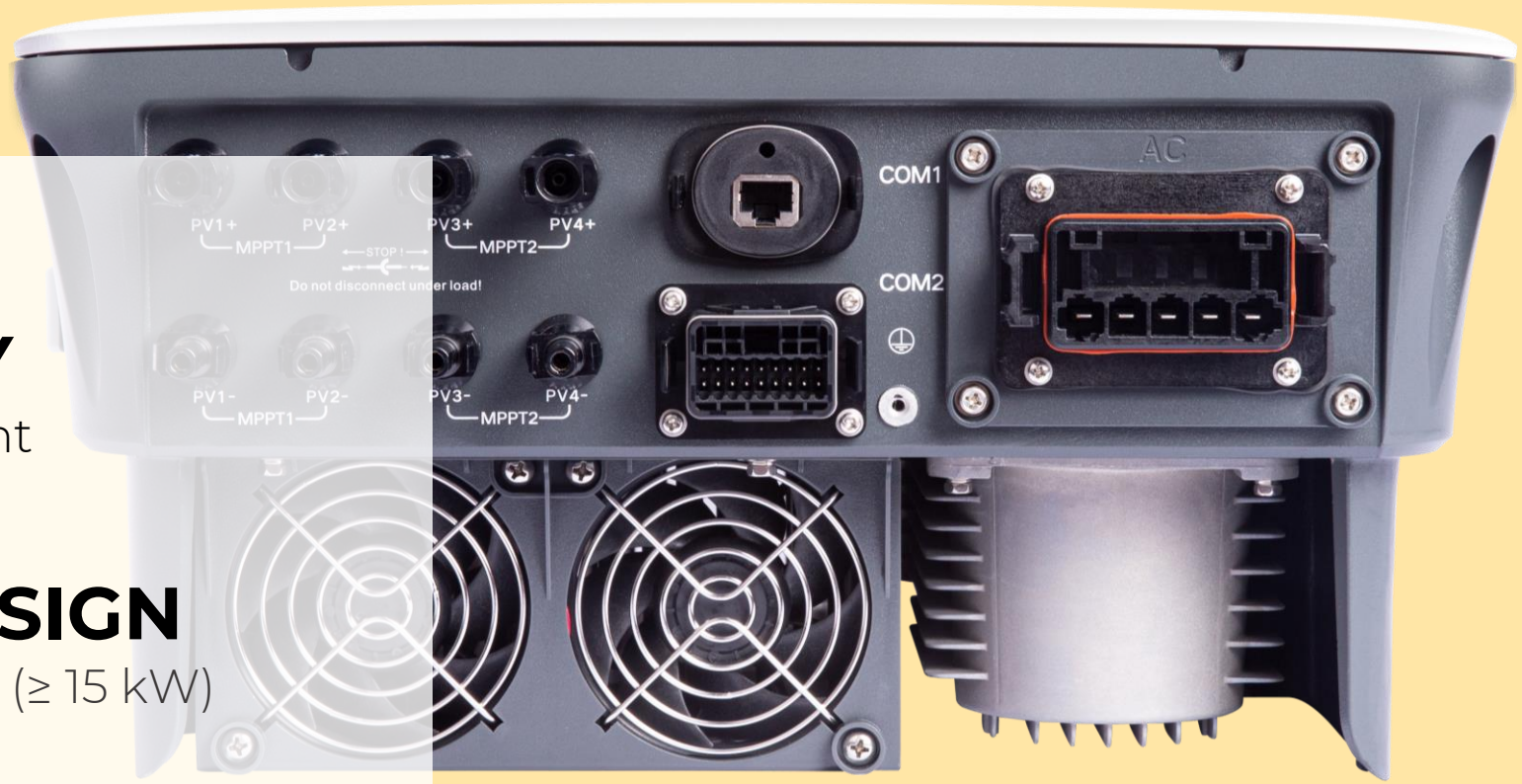
SG20RT

SUNGROW

THE NEW 3-PHASE

ADVANCED
FLEXIBLE
SAFE

ADVANCED



PID RECOVERY

Reverse potential at night

OPTIMIZED DESIGN

Fans for heat dissipation (≥ 15 kW)

ADVANCED

EASY

Remote FW updates, parameters settings

SMART

Live data, 10sec refresh time

CONNECTED

Easy sharing

SUNGROW

FLEXIBLE

SCALABLE
Wide product range: SG5.0RT up to 20RT

OVERSIZING
DC/AC ratio up to 1.5

WINET-S
Wifi and Ethernet dongle all in one
In scope of delivery

FLEXIBLE

Max. PV input current
22 A

Max. PV input current
25 A

SAFE

ARC FAULT CIRCUIT INTERRUPTION

Interruption in less than 200ms

HIGH PROTECTION RATING

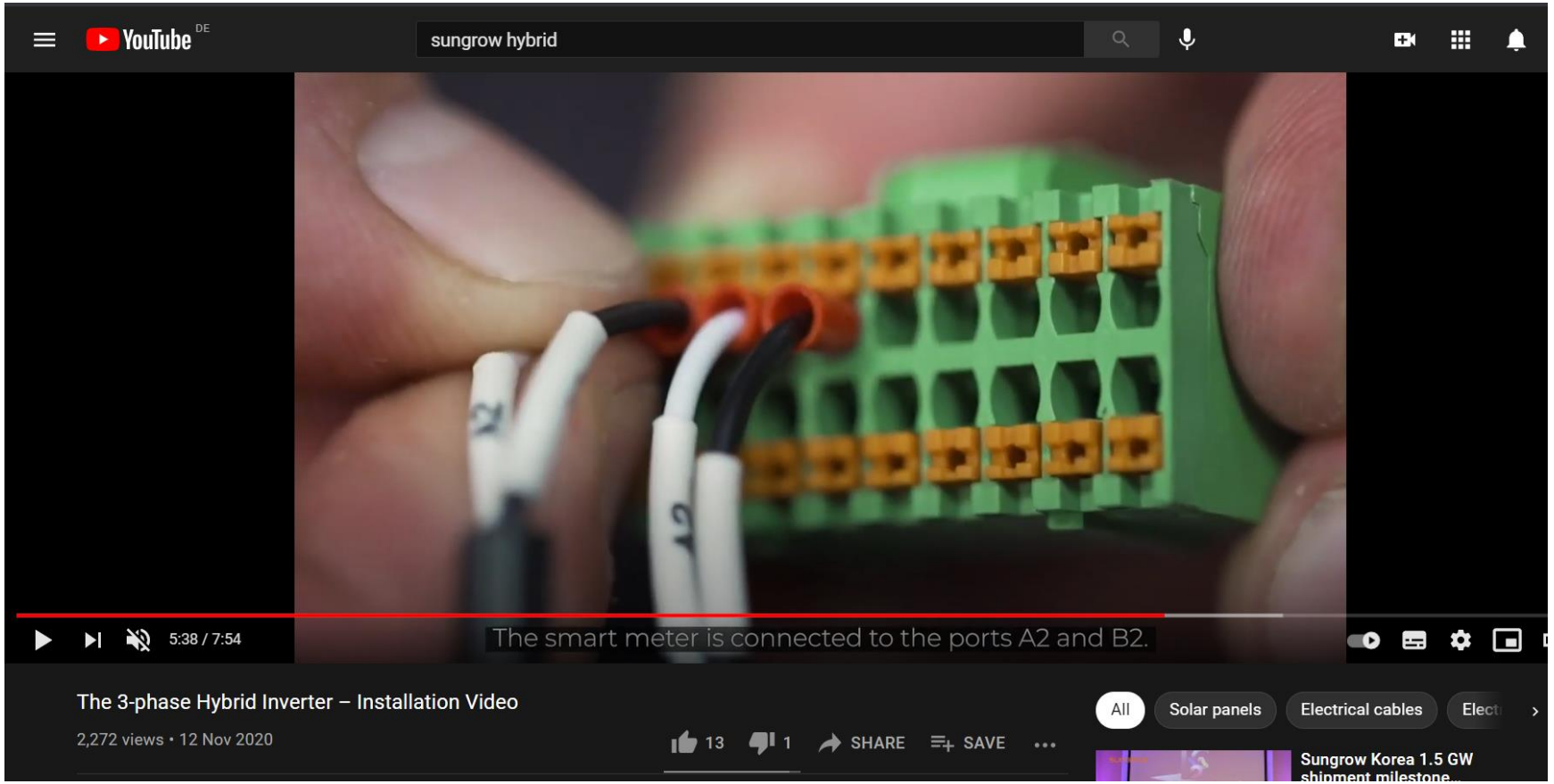
IP65 and C5

HIGH RELIABILITY

10 Years Product Warranty

HYBRID

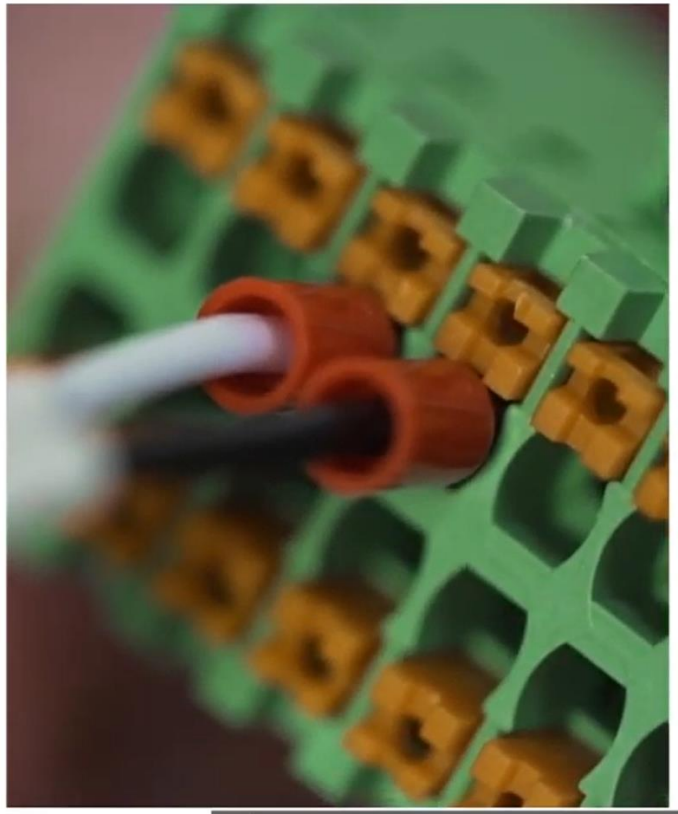
HYBRID INSTALLATION VIDEO

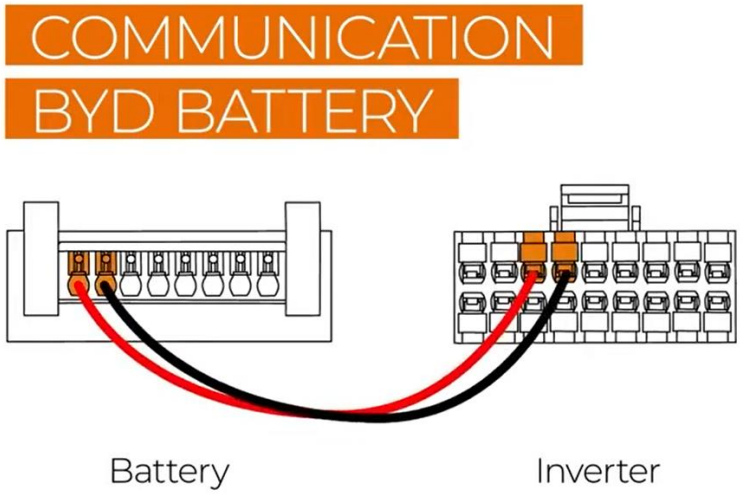


SCAN ME

SUNGROW

HYBRID INSTALLATION VIDEO

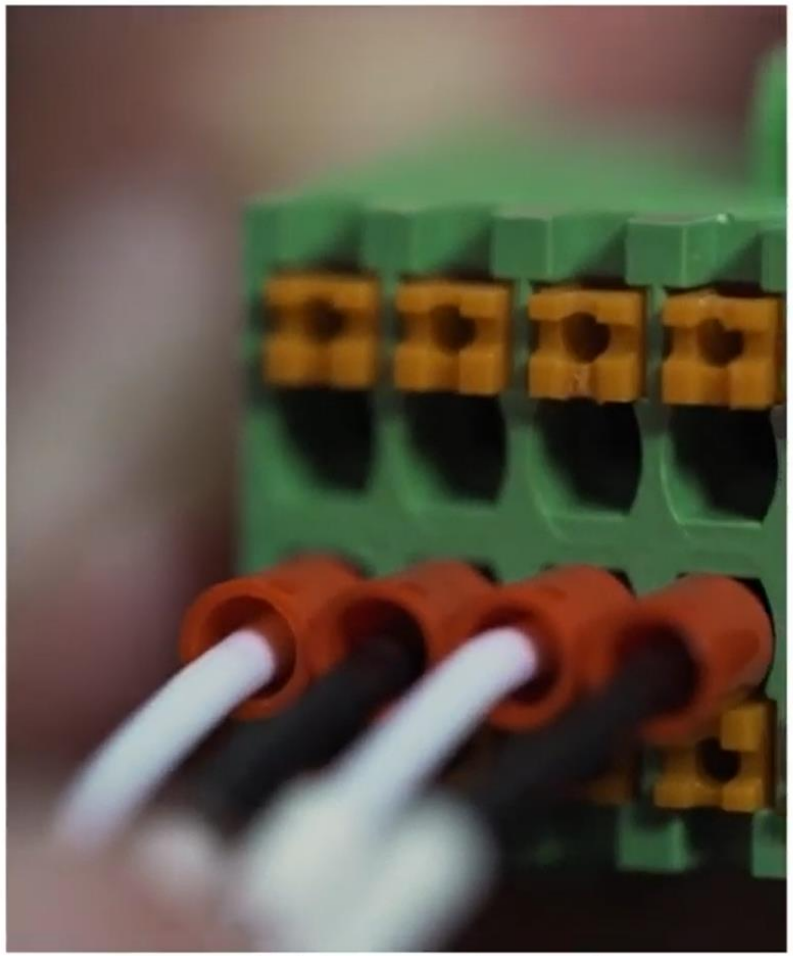


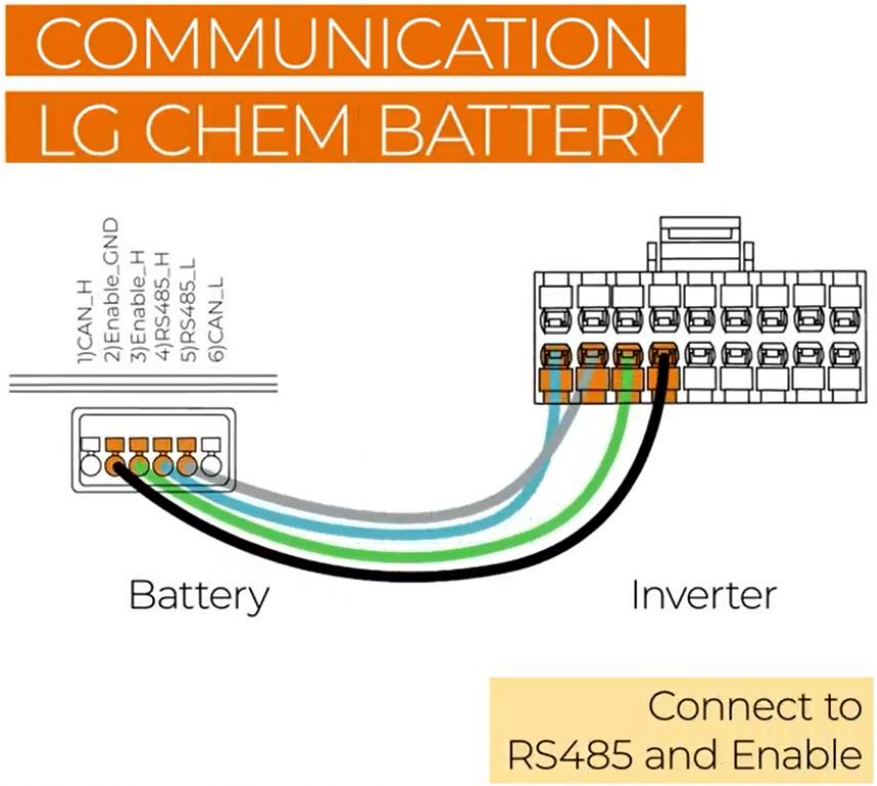


Connect to
BMS / CAN Interface

The BYD battery is connected to the BMS / CAN interface.

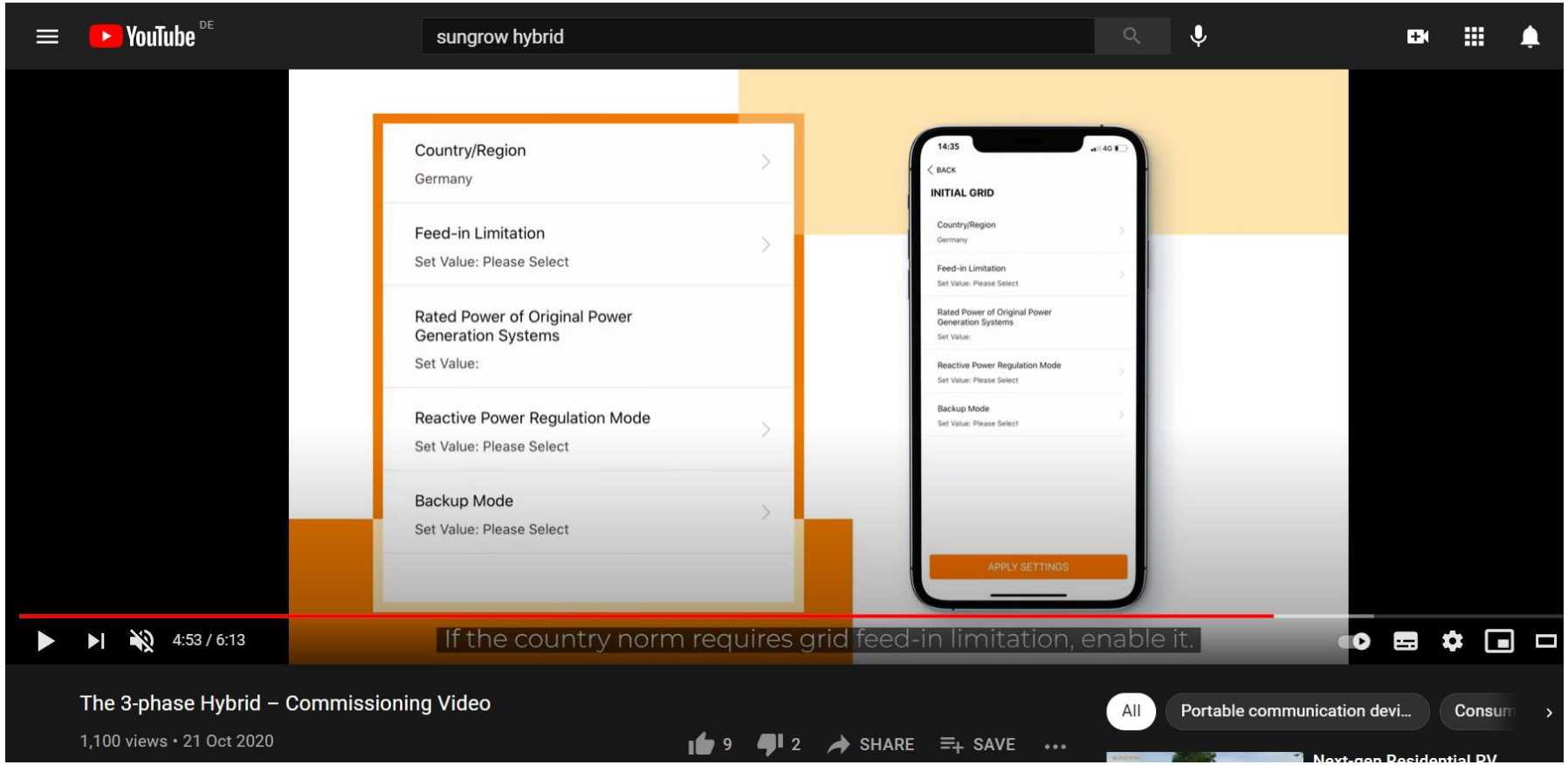
HYBRID INSTALLATION VIDEO





The LG Chem battery is connected to RS485 and Enable.

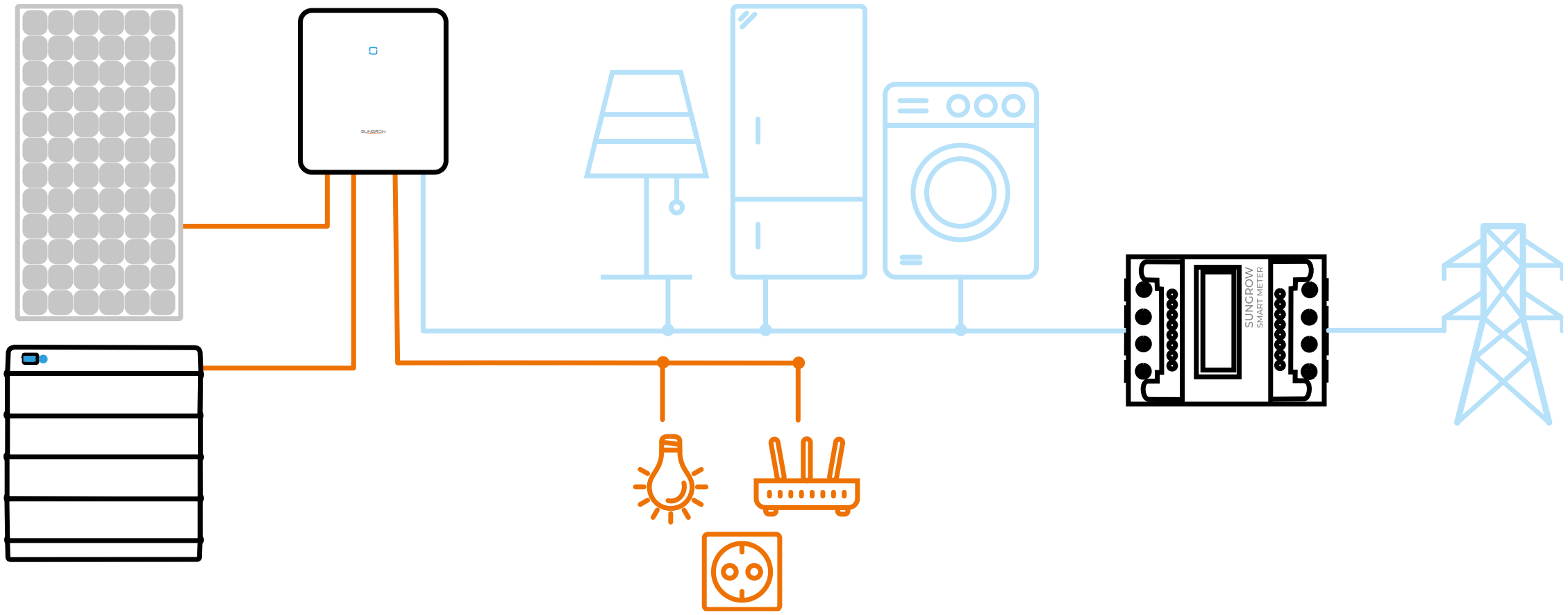
HYBRID COMMISSIONING VIDEO



SCAN ME

SUNGROW

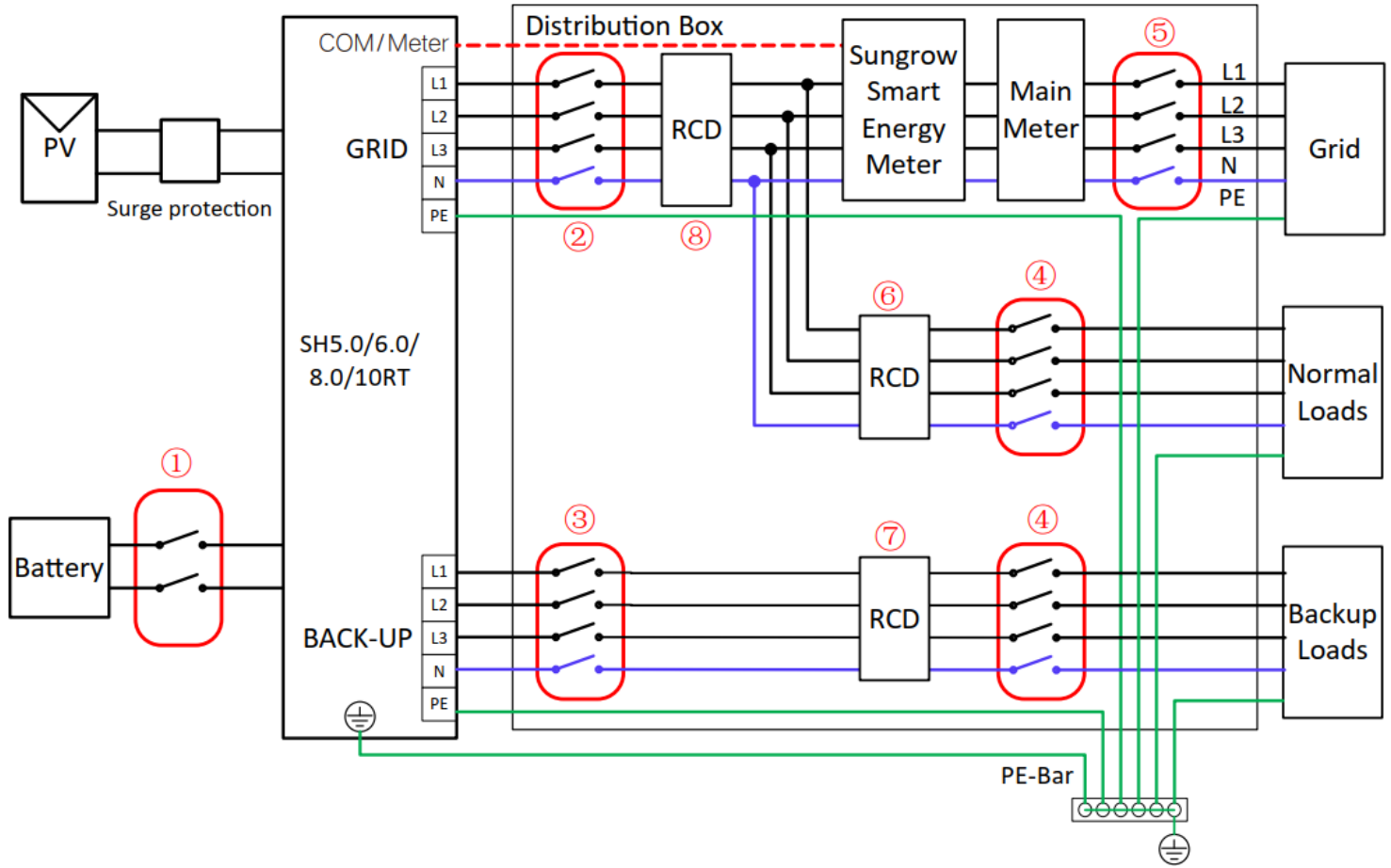
BACKUP MODE – WIRING



BACKUP MODE – WIRING

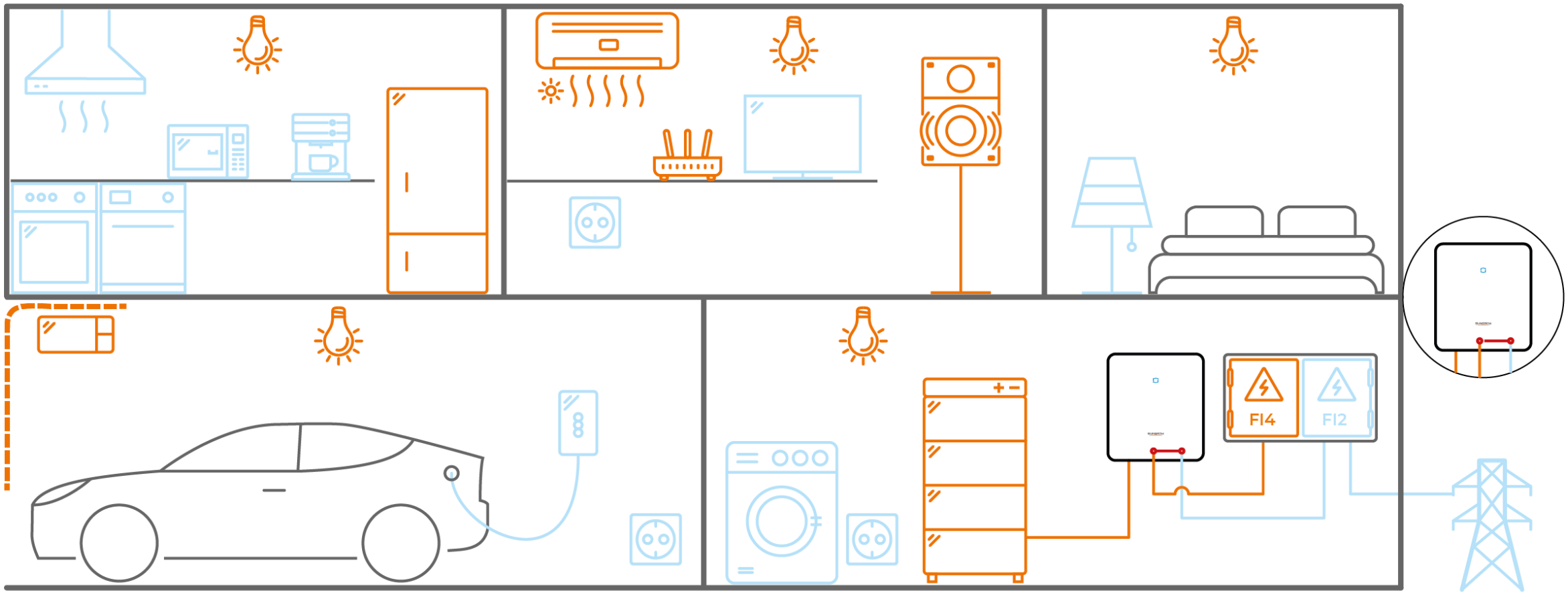
Model	①	②	③	④	⑤	⑥ ⑦	⑧
SH5.0/6.0RT	40A/600V DC breaker *	25A/400V AC breaker	25A/400V AC breaker	Depends on loads	Depends on household loads and inverter capacity (Optional)	30mA RCD (Recommended)	300mA RCD (Recommended)
SH8.0/10RT		32A/400V AC breaker					

Note: * If the battery is integrated with a readily accessible internal DC breaker, no additional DC breaker is required.
Note: The values in the table are recommended values and can be set to other values according to actual conditions.



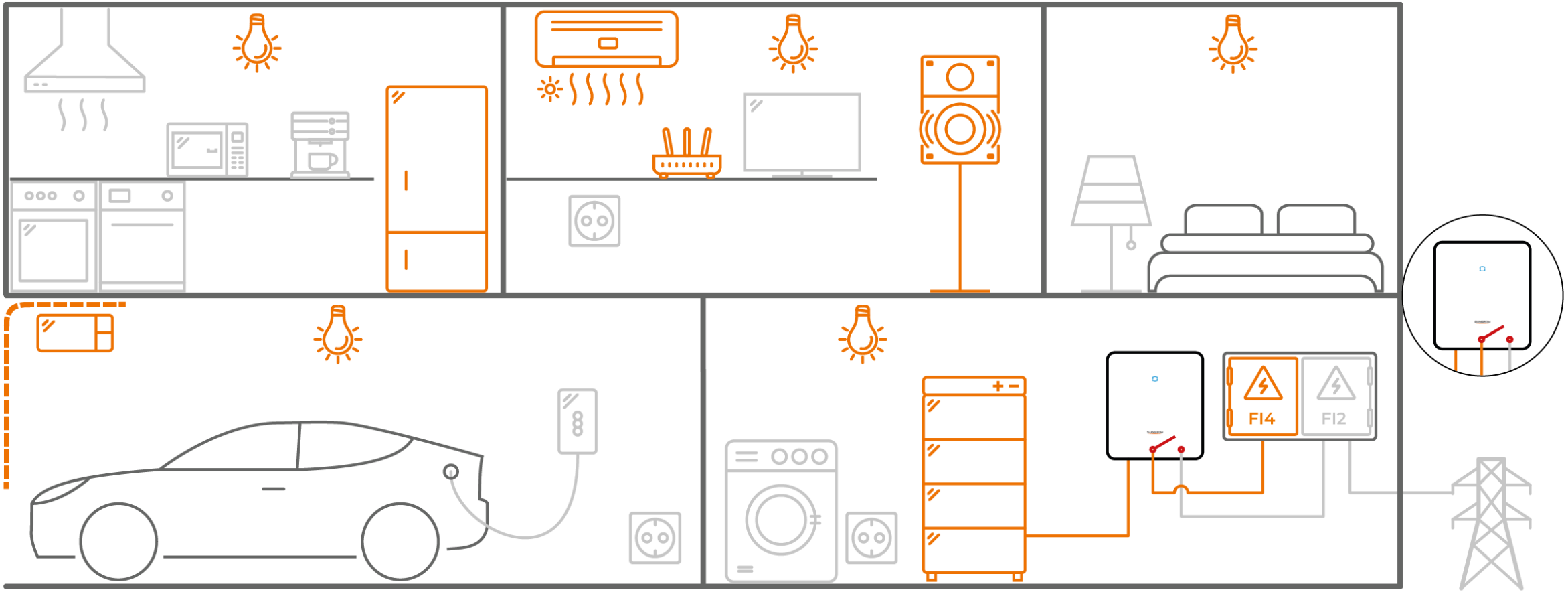
SUNGROW

BACKUP MODE – ON GRID



© Sungrow Deutschland

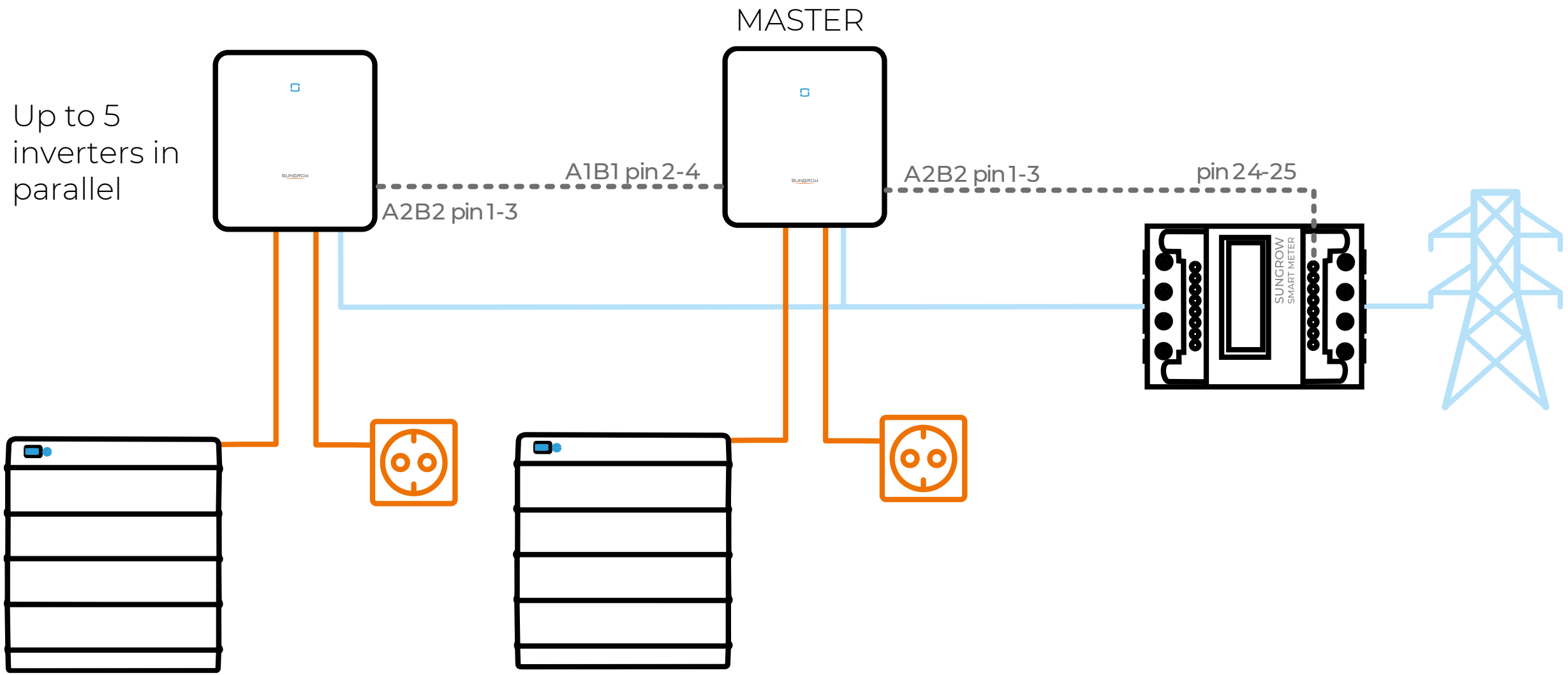
BACKUP MODE – POWER OUTAGE



© Sungrow Deutschland

PARALLEL MODE

Up to 5 inverters in parallel



THE 3-PHASE SOLUTION

BEYOND THE EXPECTED

UPCOMING Q3 2021

UPCOMING Q3 2021

BEYOND THE EXPECTED

DESIGNED FOR FLEXIBILITY

9.6kWh to 25.6kWh, Max 4 in parallel

POWER WHEN YOU NEED IT

30A current, 100% usable energy

SAFETY AS FIRST PRIORITY

Safe LFP battery design; VDE2510-50, IEC62616-1

EASY INSTALLATION

Seamless integration with the hybrid

THE BATTERY - FEATURES

The modular design allows to stack **from 3 to 8 modules**

Modules can be added later, and up to 4 batteries can be installed in parallel.

From 9.6 up to 100kWh !

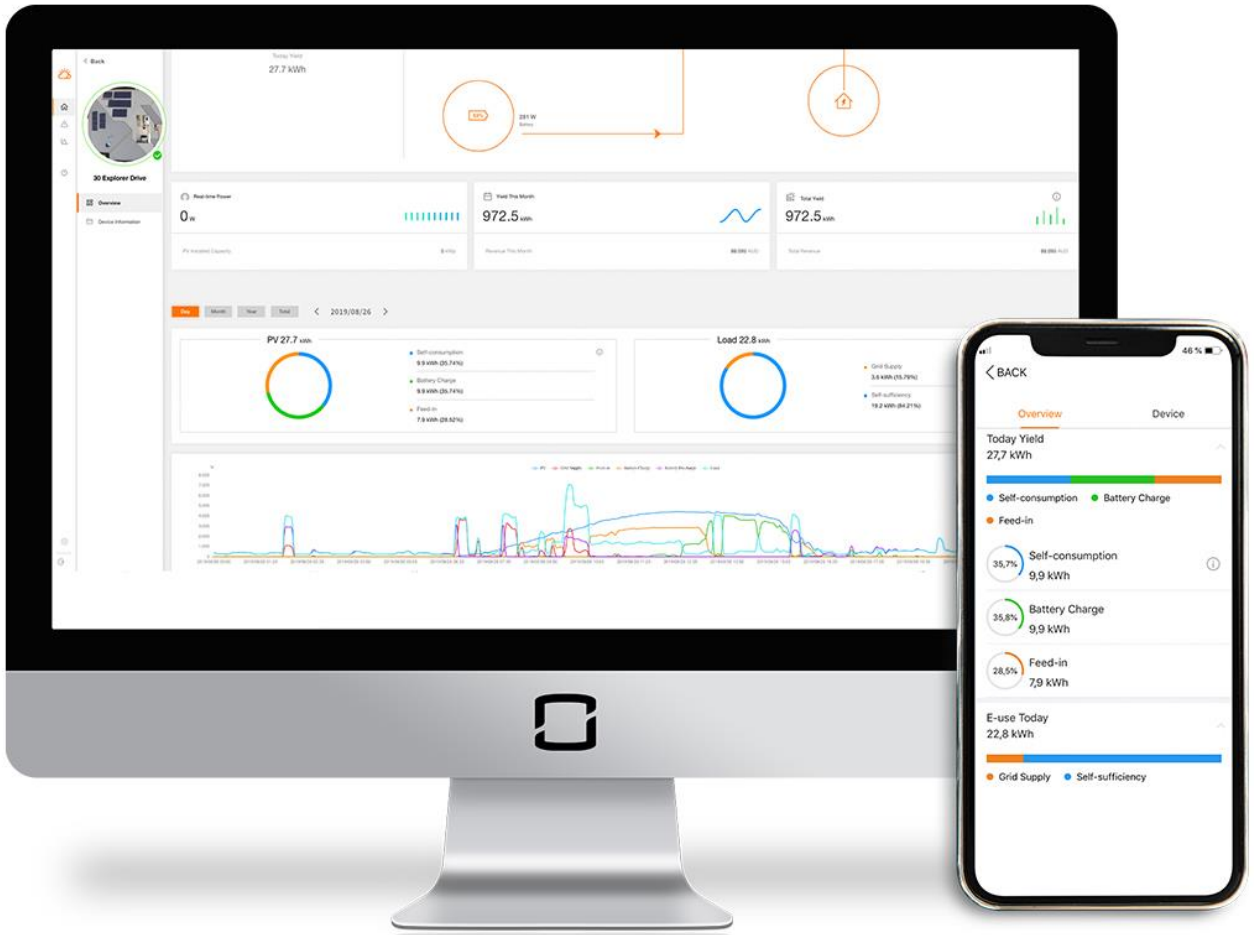
THE BATTERY -FEATURES

The whole battery can be installed by **one single person.**

Each module has **integrated handles** and connects to other modules **without cables.**

MONITORING

MONITORING



iSolarCloud

APP JETZT BEI Google Play

Erhältlich im App Store

www.isolarcloud.com

SUNGROW

MONITORING

GDPR COMPLIANT
Server located in Europe

SECURE
redundant data storage

FLEXIBLE
iSolarCloud as APP and on desktop

FEATURE-RICH
Many useful features, gradual deployment of new functions

MONITORING

3 PHASE METER

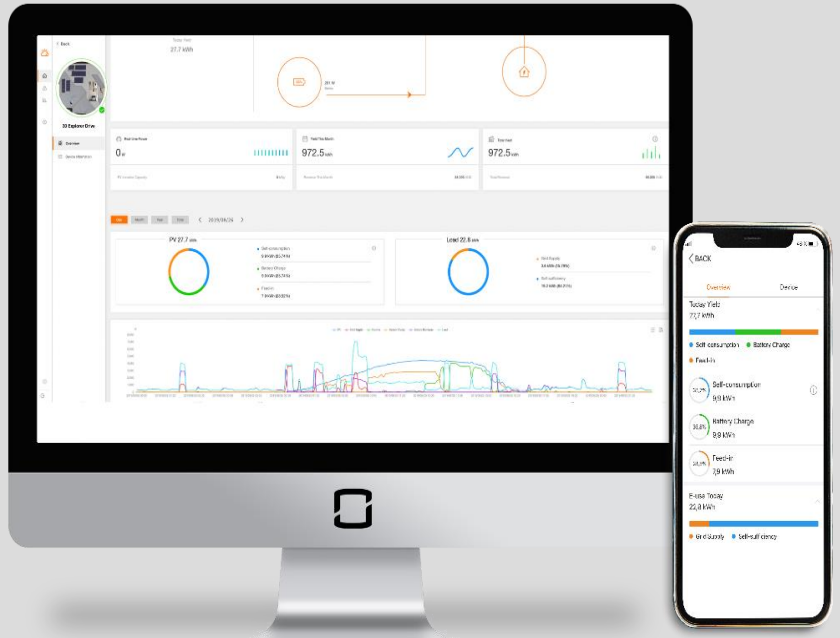
WIFI & E-NET

Phased out

EYEM4

COM100E + LOGGER1000B

iSolarCloud



SUNGROW

MONITORING

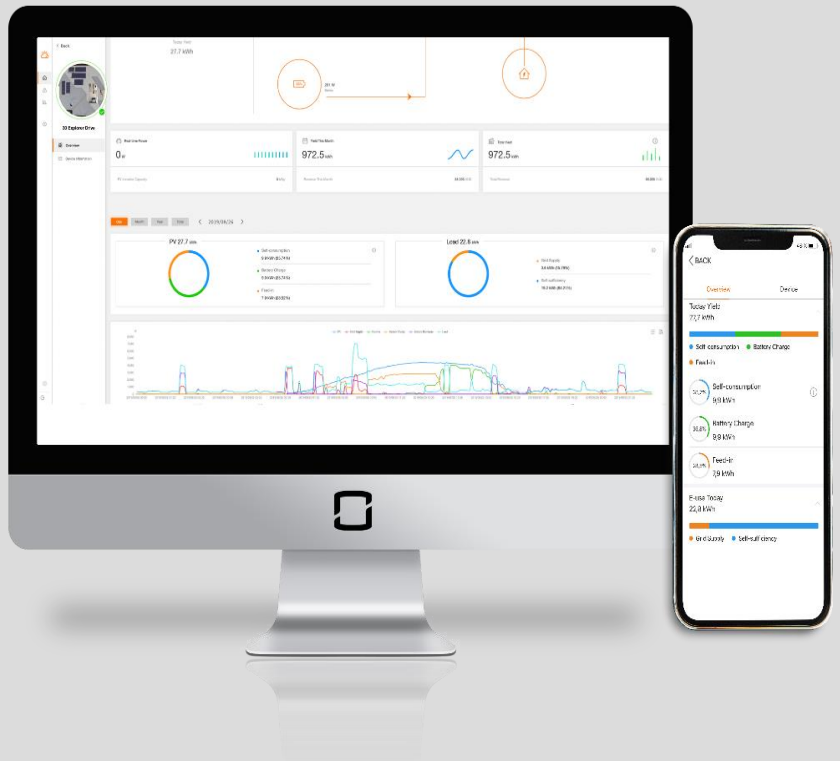
3 PHASE METER

WINET MODULE

EYEM4

COM100E + LOGGER1000B

iSolarCloud



SUNGROW

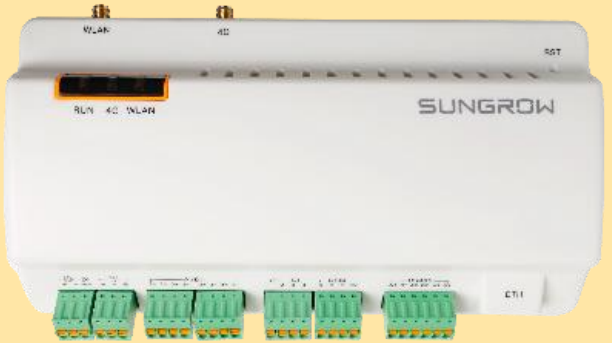
MONITORING

WINET-S

- Will replace Wifi and E-NET Dongle
- Supports max. 1 device
- In scope of delivery

EYEM4

- Supports max. 10 devices
- Limiting grid support functions



COM100E + LOGGER1000B

- Daisy chain mode
- Suitable for Residential

© Sungrow. All rights reserved.

WINET-S

01

WLAN and Ethernet all-in-one

02

DHCP and Easy-Connect one click WLAN commissioning

03

Live Data (10 sec refresh time)

04

Provided for free with our new residential inverters

© Sungrow. All rights reserved.

WINET-S

Retrocompatibility

Compatible*

- **SG5-20KTL**
- **SH5.0-10RT**
- **SG33-110CX**
- **SG2-6K**
- **SH3K6-SH4K6 V13**

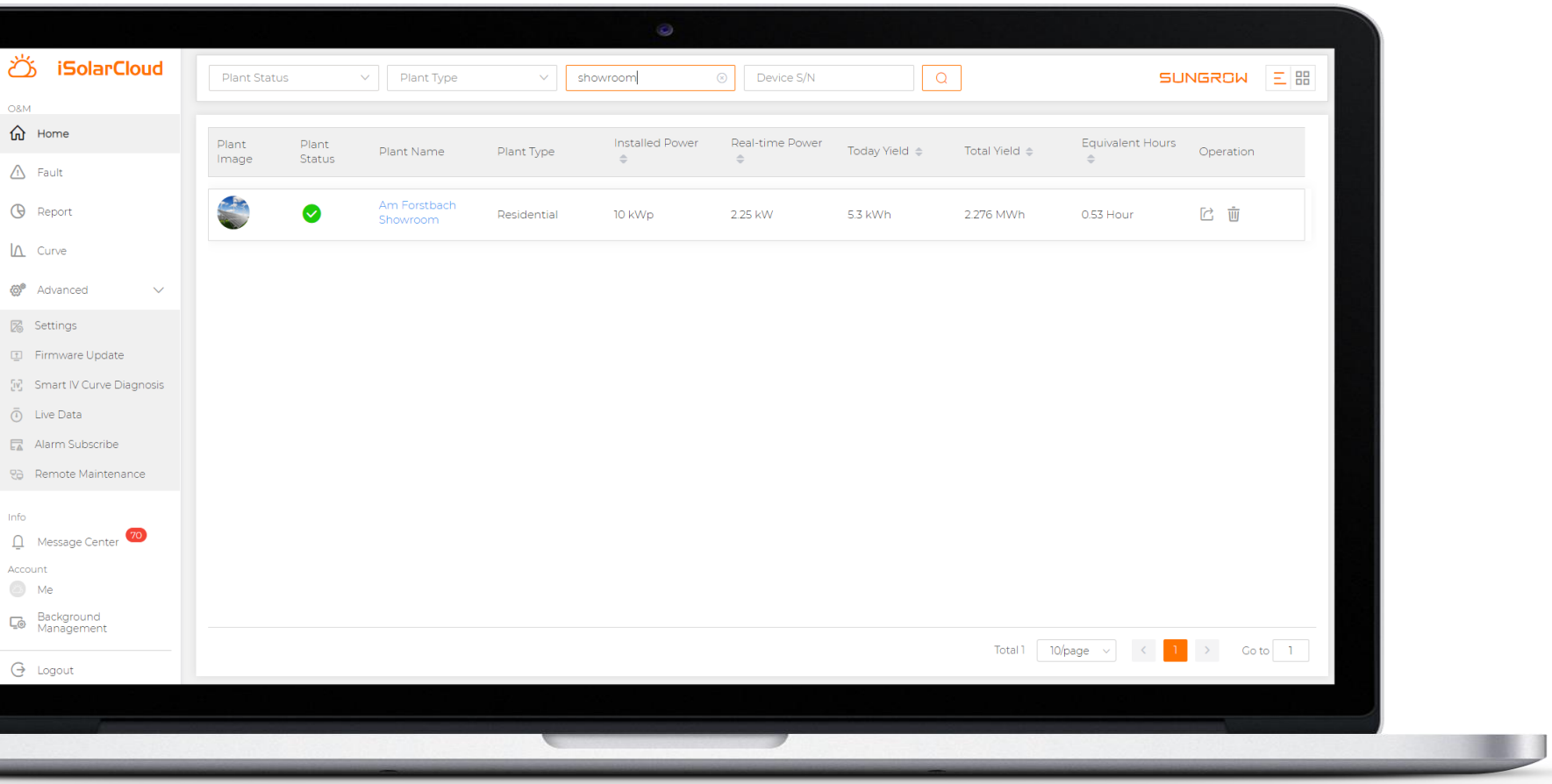
Not Compatible

- **SG5-20KTL V11 (COM port not compatible)**
- **SG125HV**
- **SG125HX**
- **SG250HX**

***All inverters need to be updated to the latest version**

WINET-S

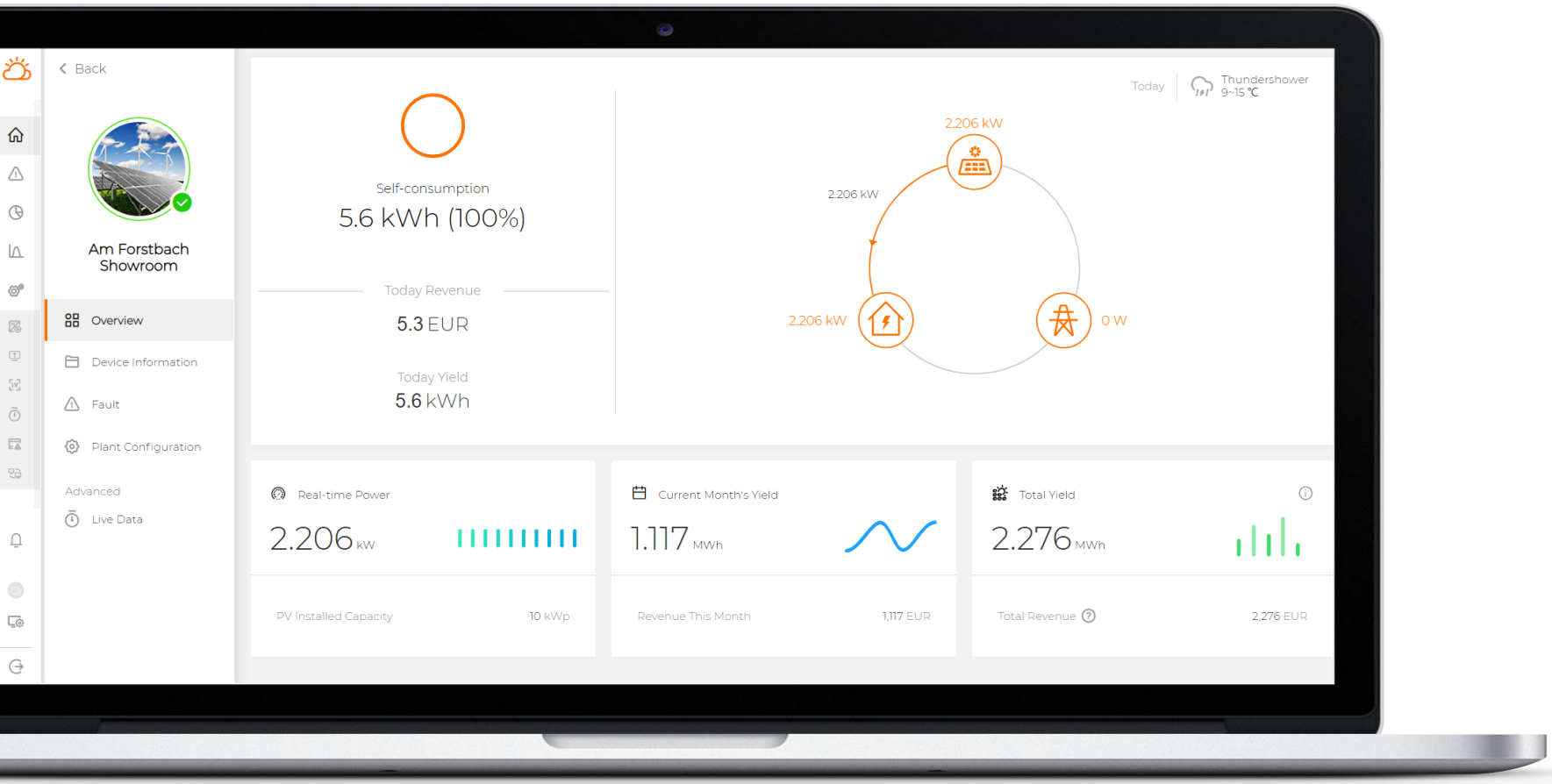
iSolarCloud



- iSolarCloud Monitoring Overview
- Detailed PV plant Status

WINET-S

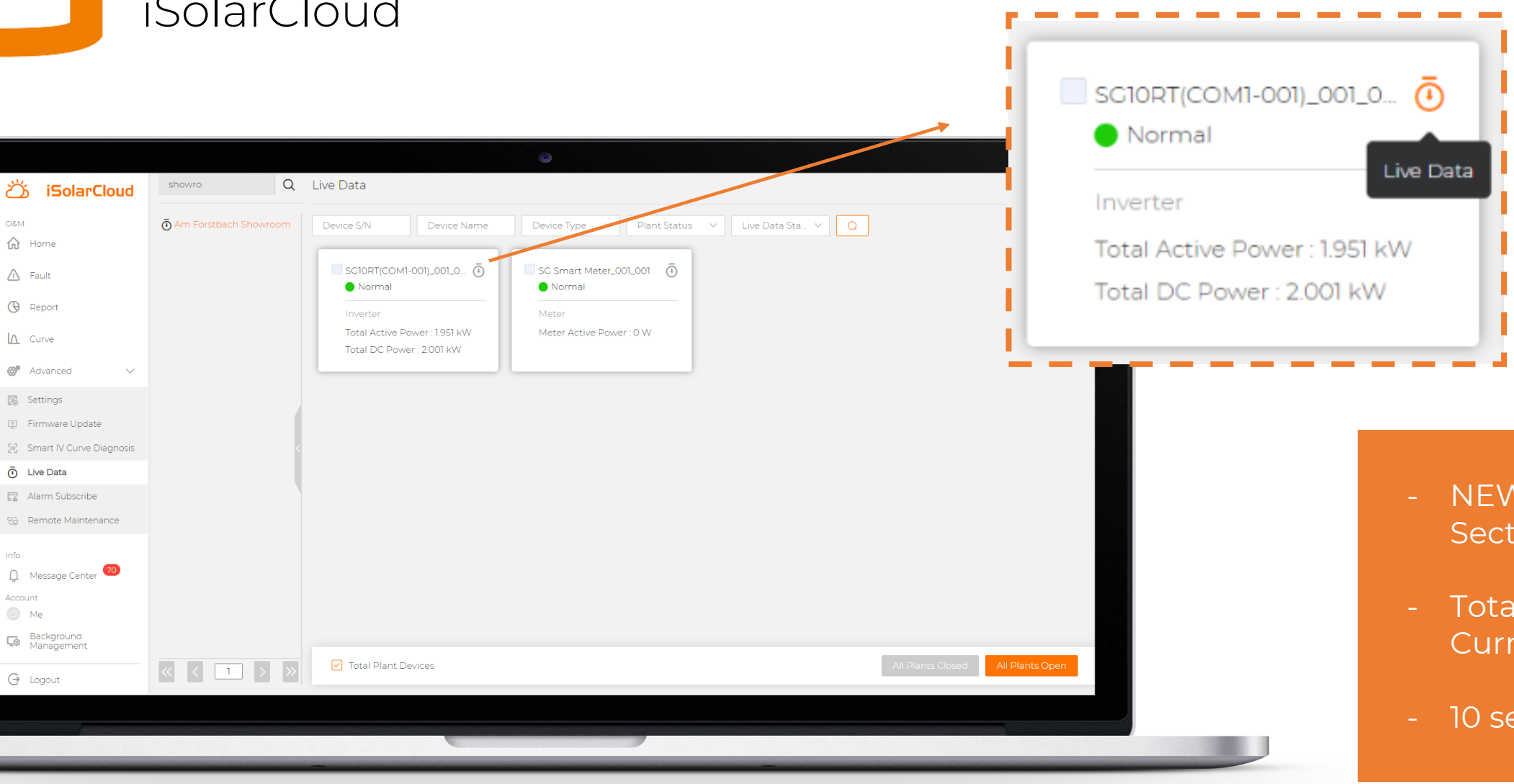
iSolarCloud



- Energy Flow Diagram: self-consumption & feed-in to the grid
- Operational values

WINET-S

iSolarCloud



- NEW „Live data“ Section
- Total Power, Phase Current and Voltage
- 10 sec data

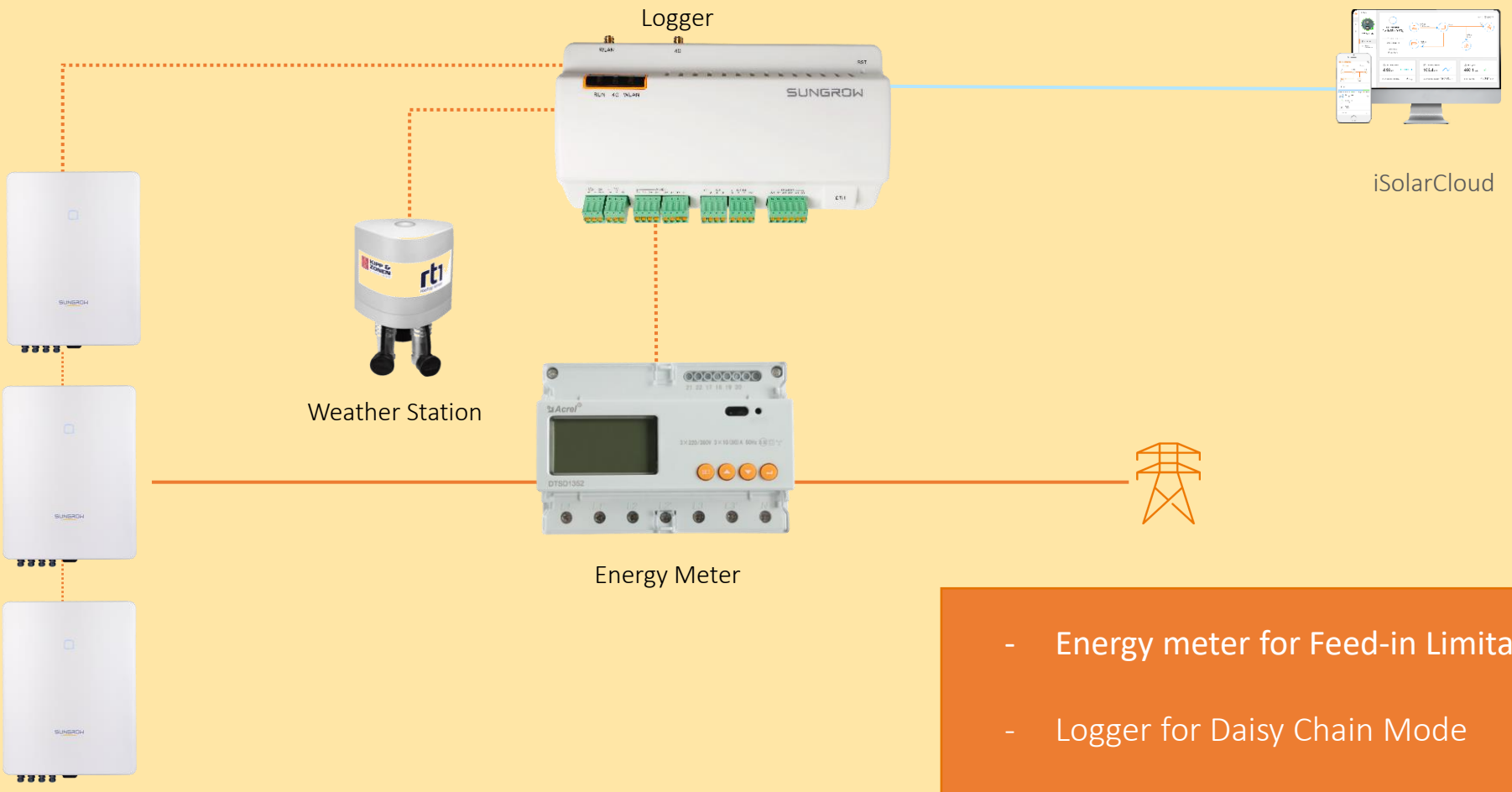
MONITORING

Energy Meter

iSolarCloud

- Ethernet or Wifi
- WINET-S does not support daisy chain mode

MONITORING



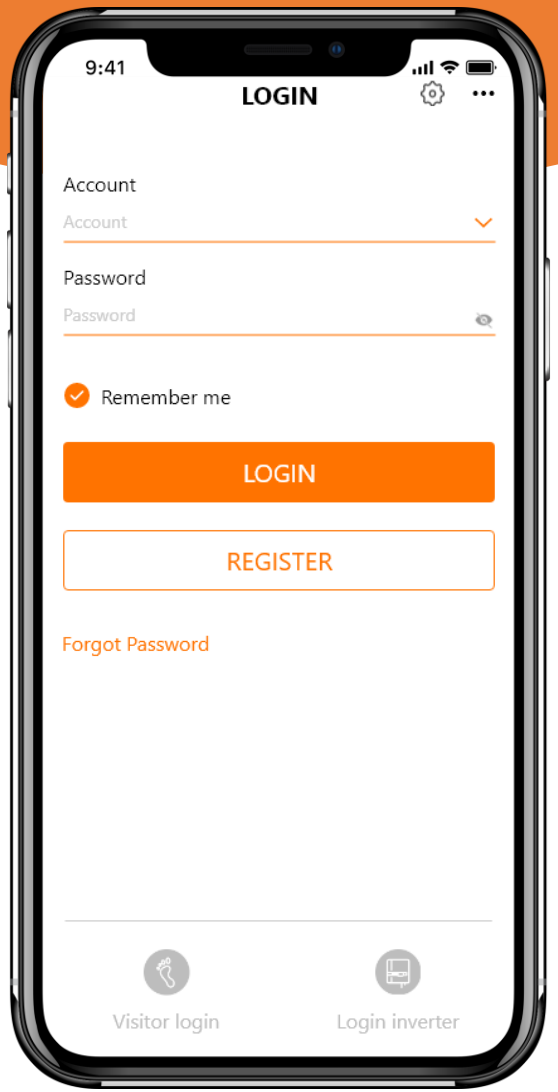
- Energy meter for Feed-in Limitation
- Logger for Daisy Chain Mode
- Up to 5 inverters in Daisy Chain Mode

COMMISSIONING

COMMISSIONING

iSolarCloud

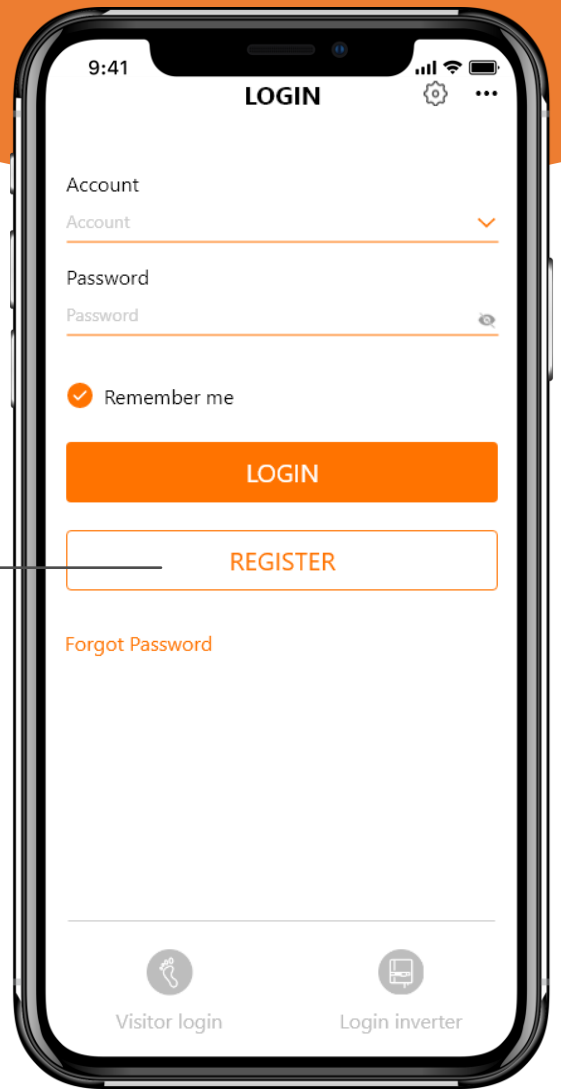
iOS & Android



SUNGROW

COMMISSIONING

Create account

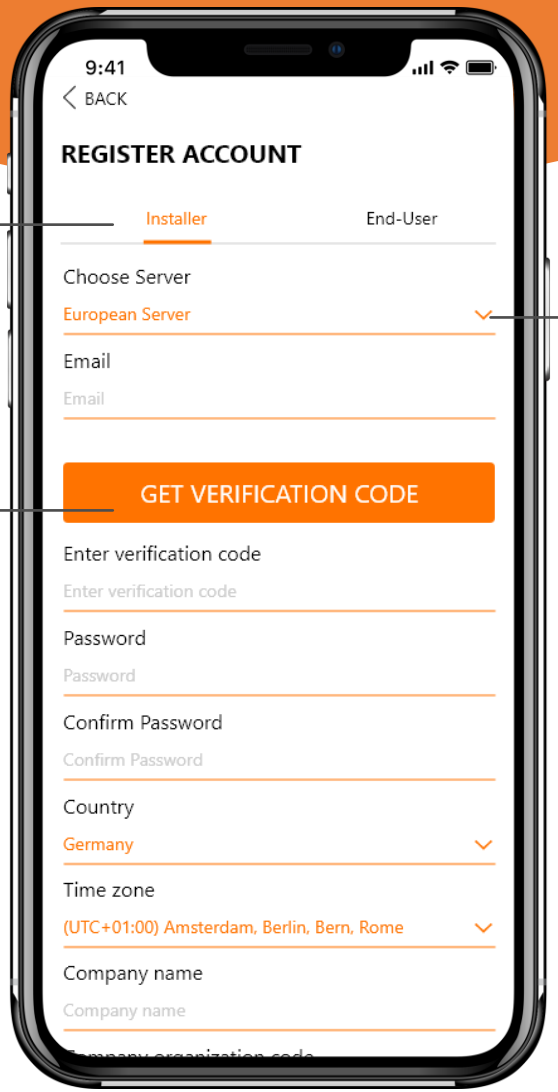


SUNGROW

COMMISSIONING

Account type

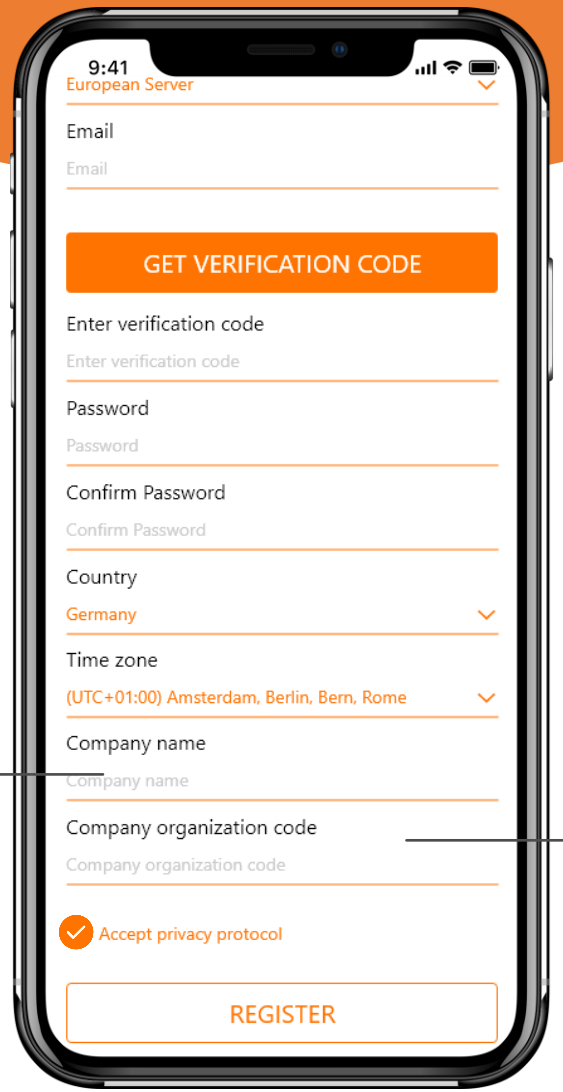
Verify Email



Choose server

SUNGROW

COMMISSIONING



Company name

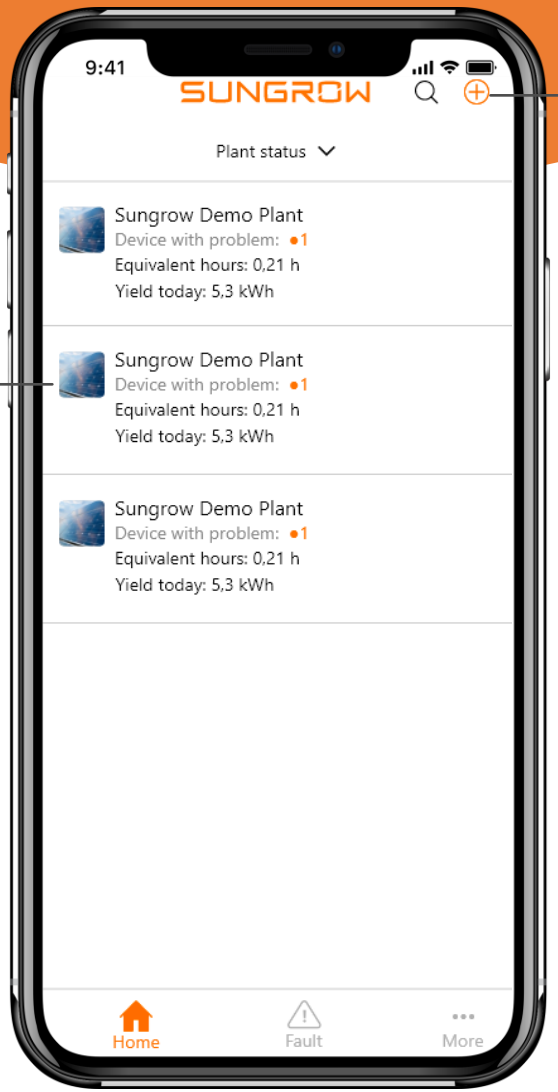
Company Code

SUNGROW

COMMISSIONING

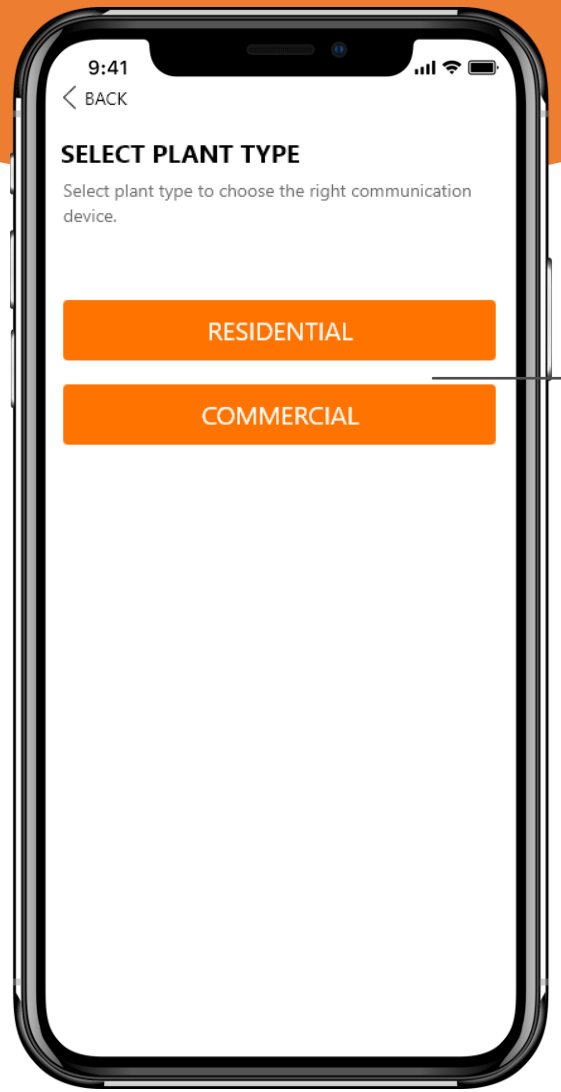
Add plant

Plant overview



SUNGROW

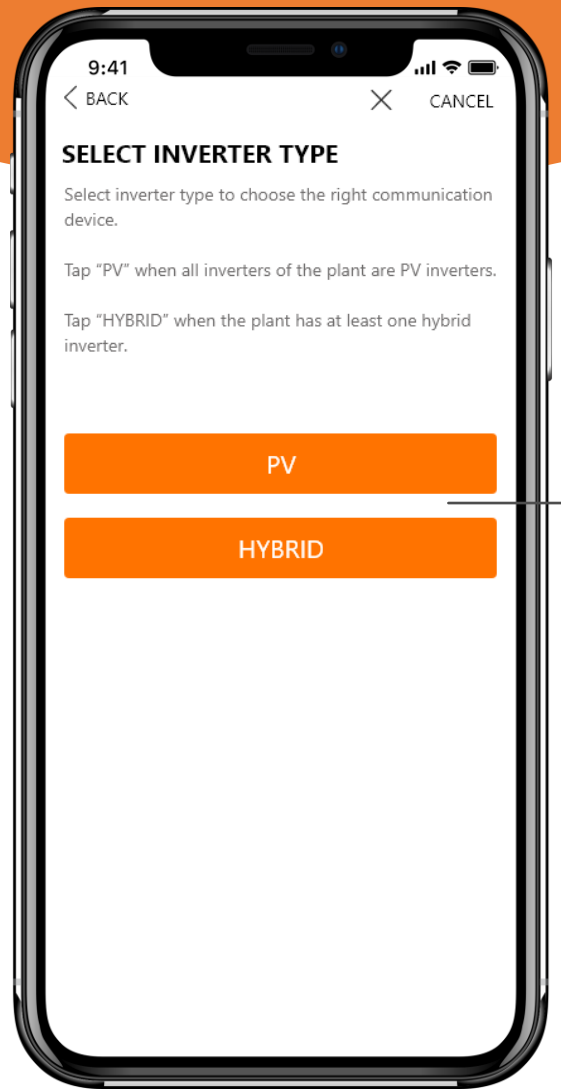
COMMISSIONING



Choose plant type

SUNGROW

COMMISSIONING



Select inveter type

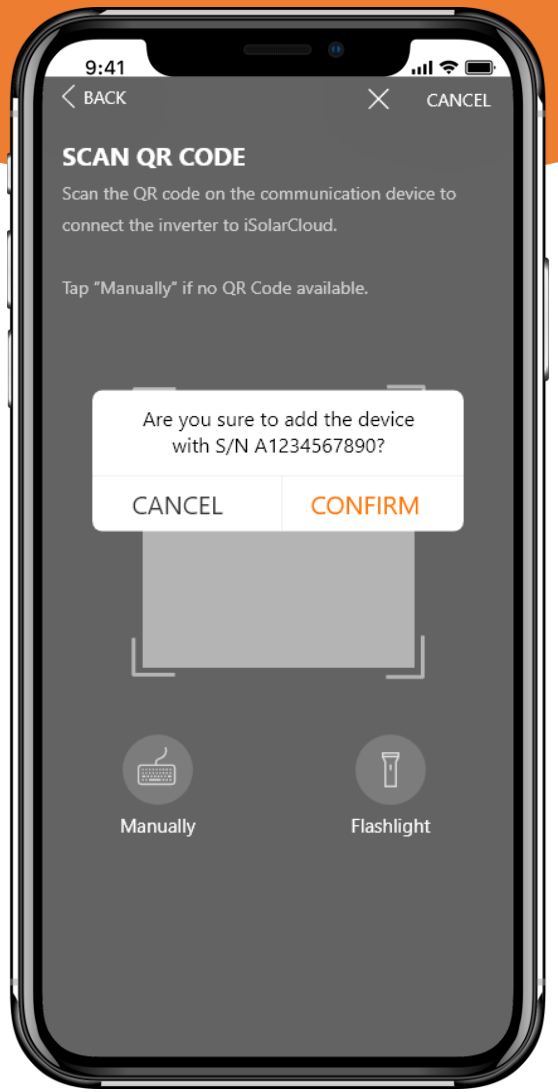
SUNGROW

COMMISSIONING

Scan QR code

SUNGROW

COMMISSIONING



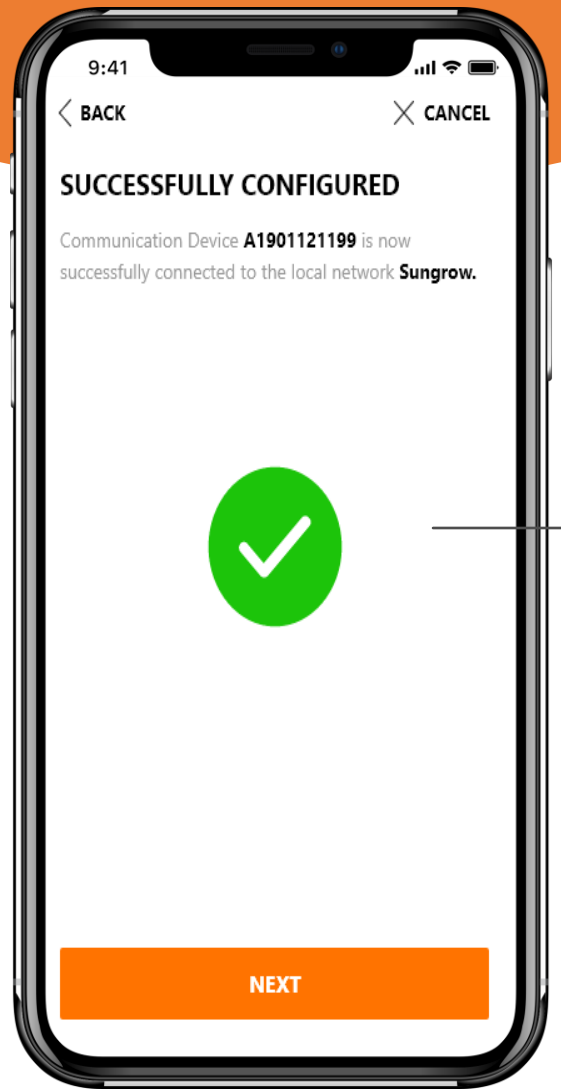
SUNGROW

COMMISSIONING

Select setup

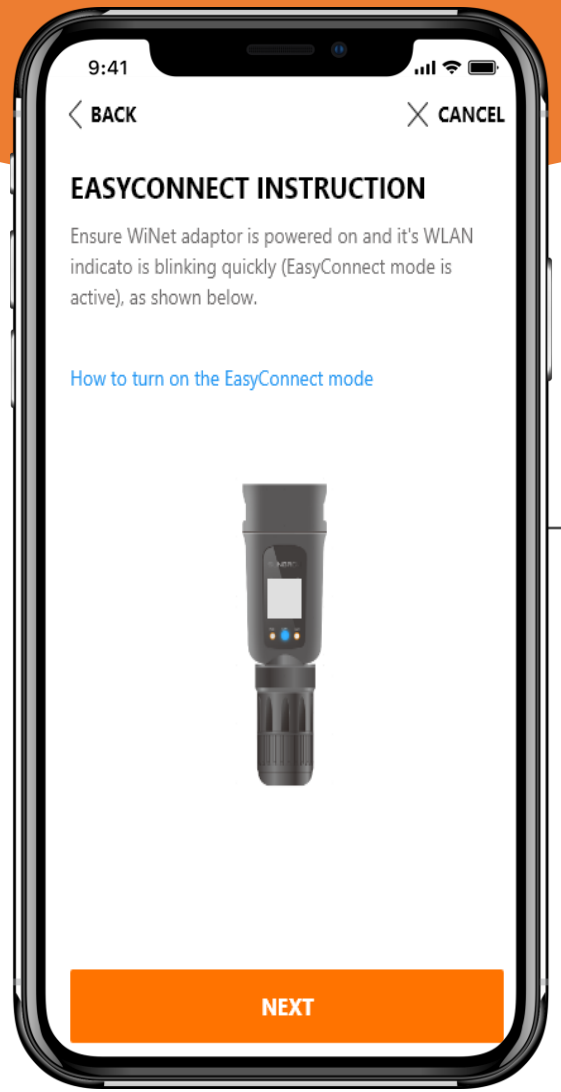
SUNGROW

COMMISSIONING



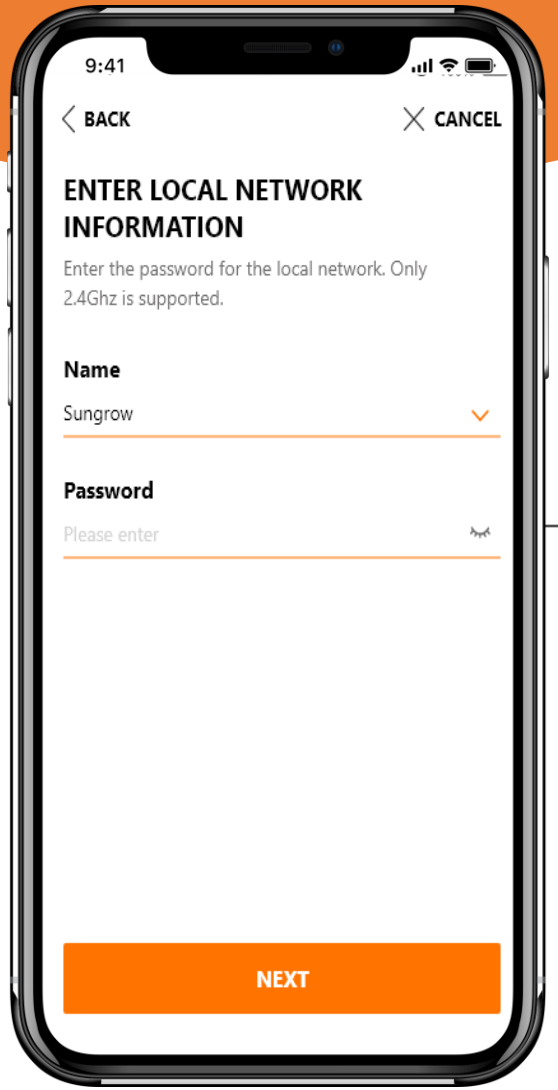
Acknowledgement

COMMISSIONING



EasyConnect

COMMISSIONING



Enter Local Network

SUNGROW

COMMISSIONING

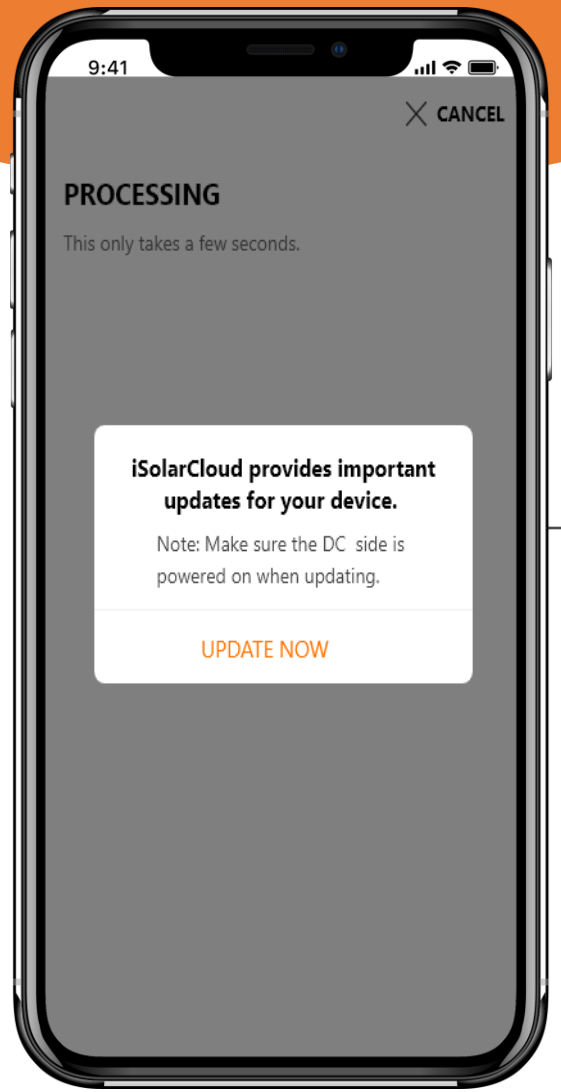
Connecting

COMMISSIONING

Connected

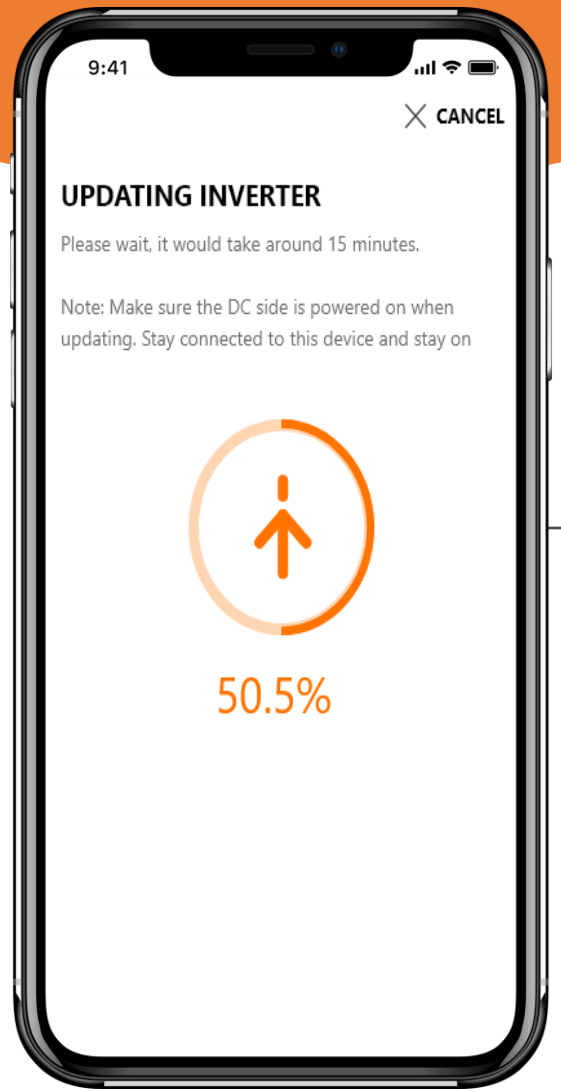
SUNGROW

COMMISSIONING



FW Update

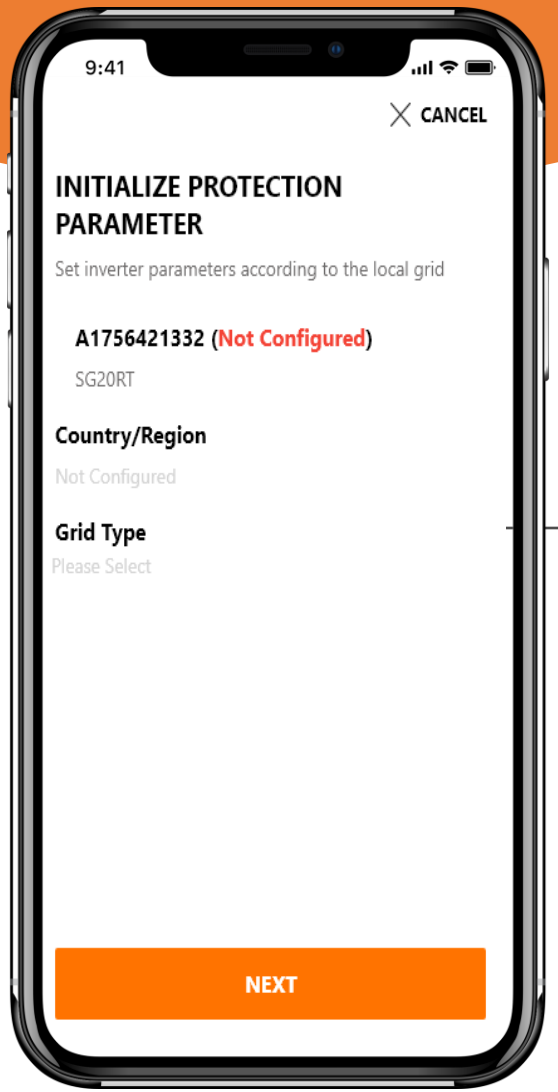
COMMISSIONING



Updating

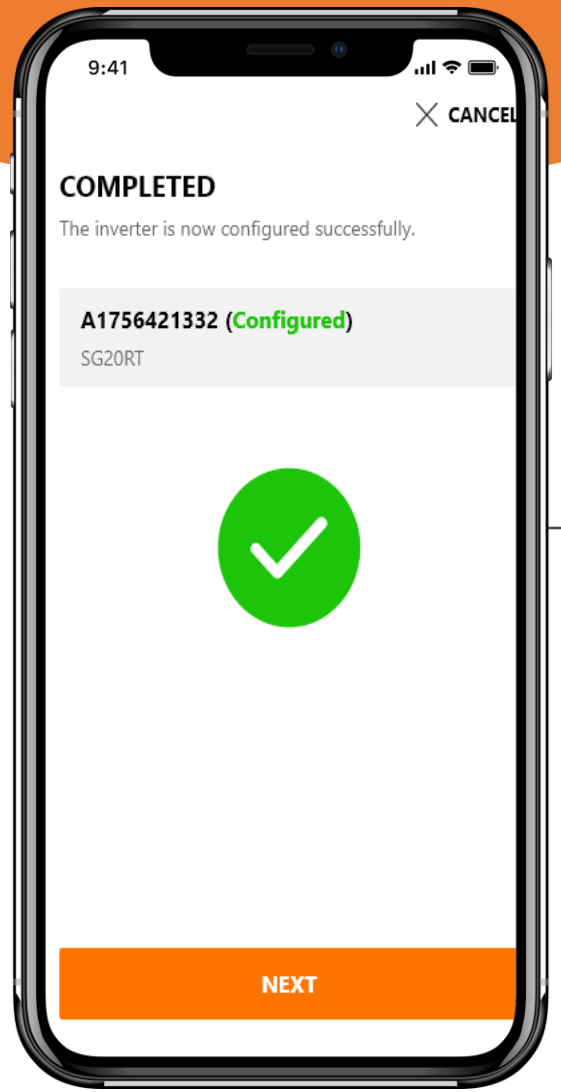
SUNGROW

COMMISSIONING



Grid Code

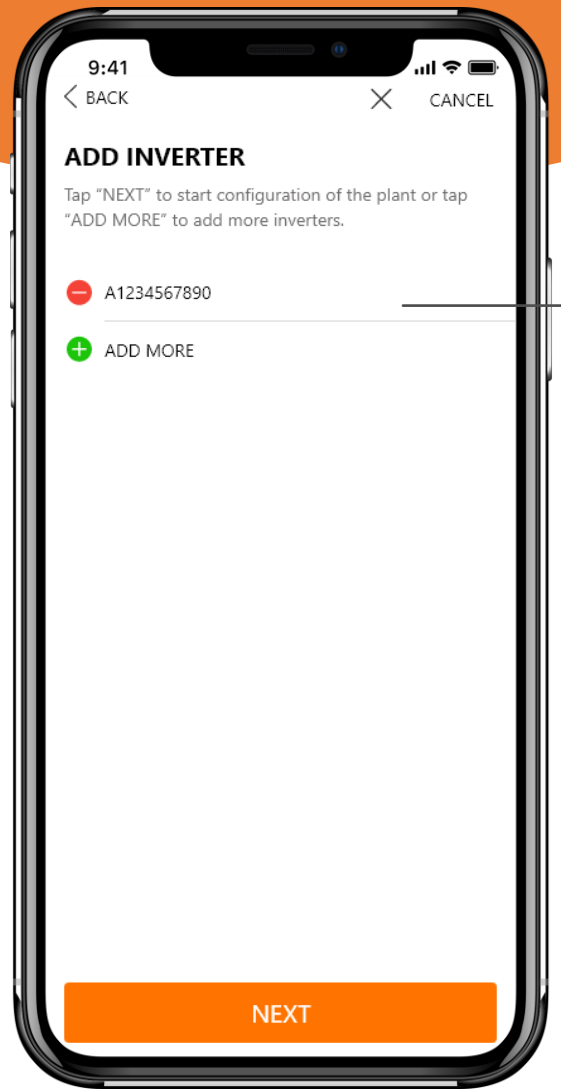
COMMISSIONING



Completion

SUNGROW

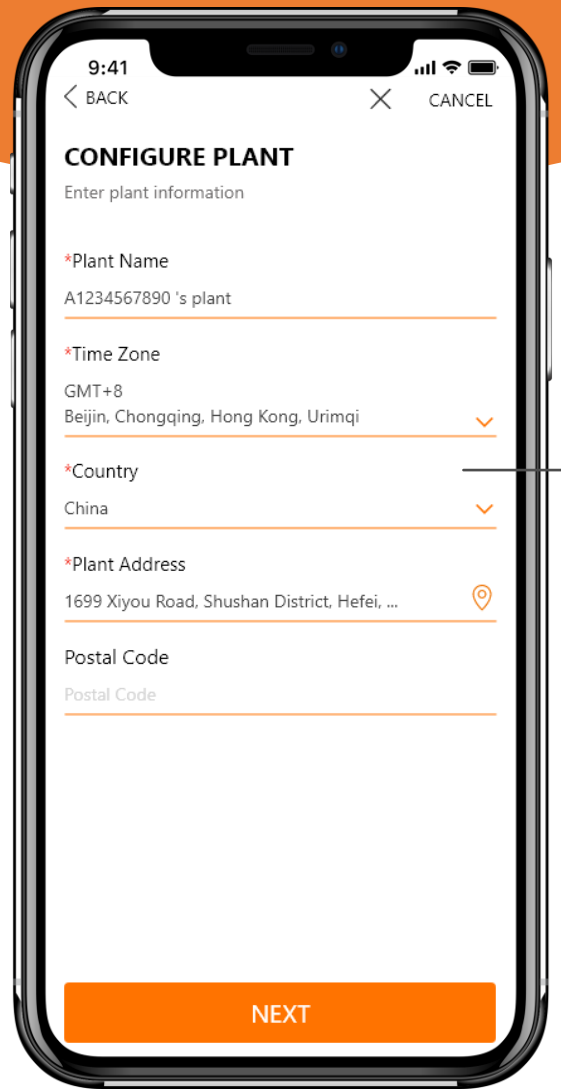
COMMISSIONING



Inverter is added to list

SUNGROW

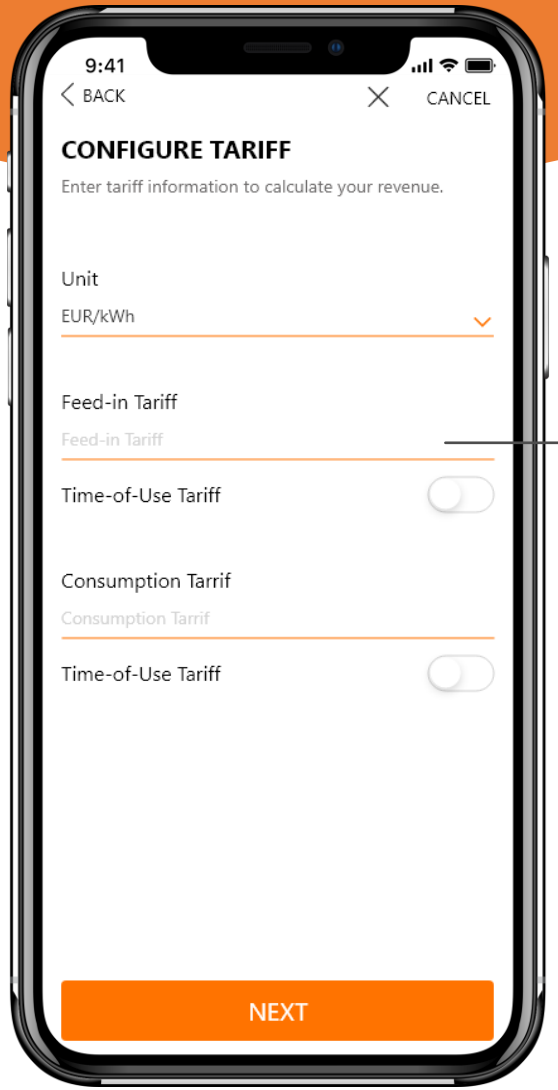
COMMISSIONING



Basic information

SUNGROW

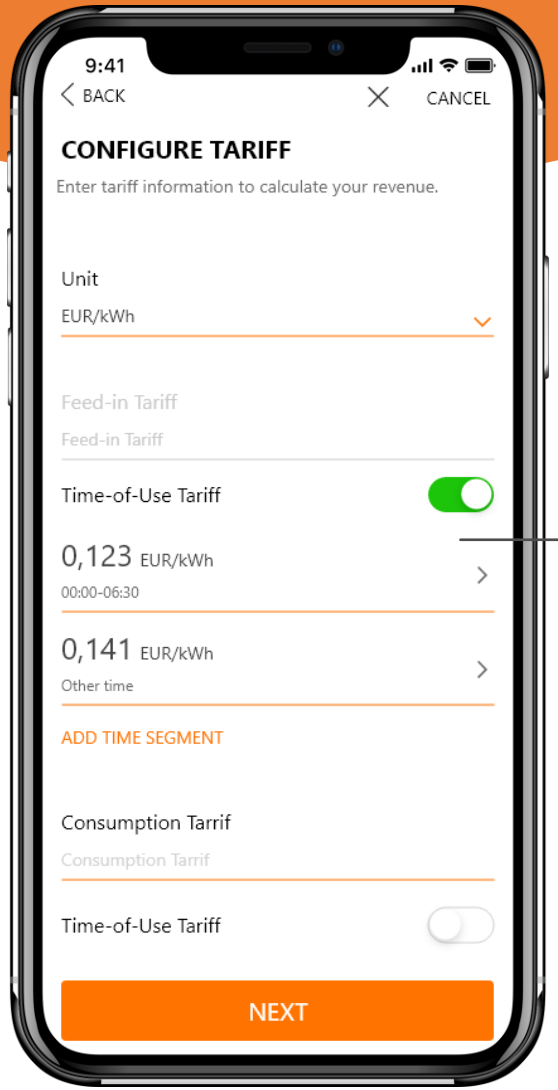
COMMISSIONING



Tariff information

SUNGROW

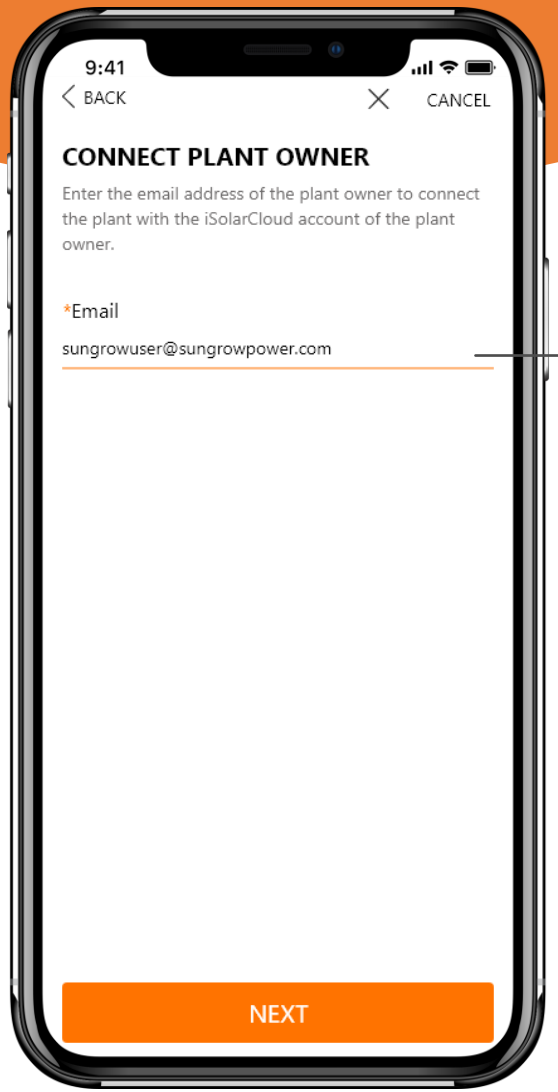
COMMISSIONING



Configure TOU tariffs

SUNGROW

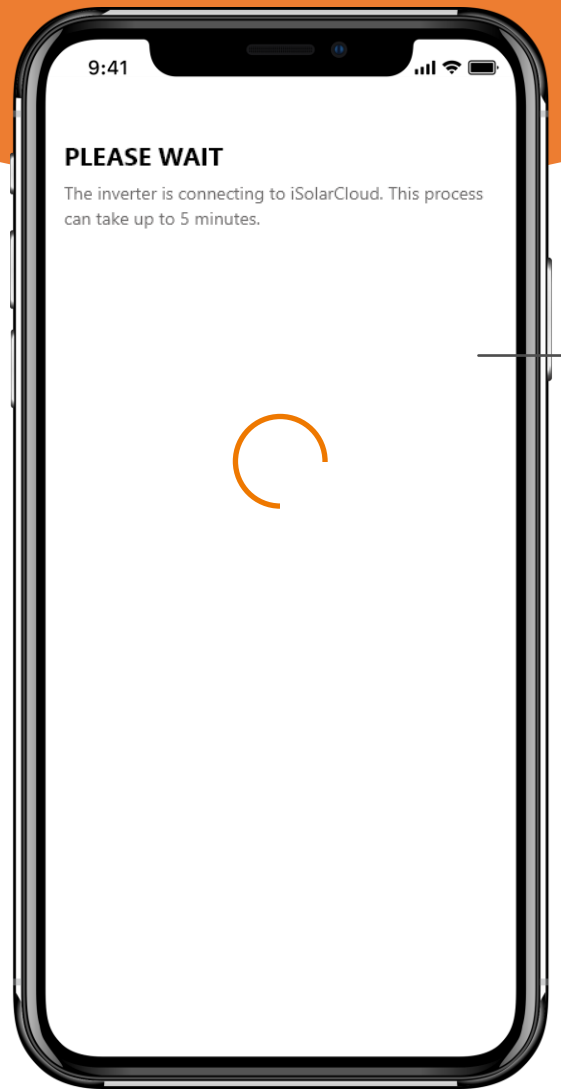
COMMISSIONING



Connect plant to customer account

SUNGROW

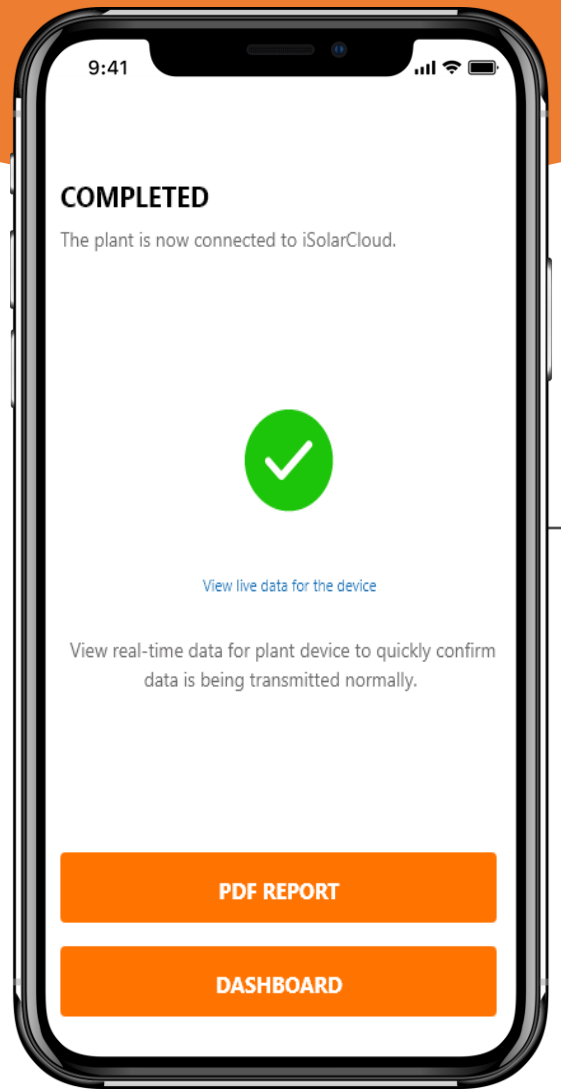
COMMISSIONING



Finilizing Connection

SUNGROW

COMMISSIONING



Connected to iSolarCloud

HANDOVER

SUNGROW
COMMISSIONING REPORT
S/N A1234567890
27 August 2019

SUNGROW POWER NEWS
REGISTER NOW

CLEAN POWER FOR ALL

www.sungrowpower.com