INSTRUCTION

for connection between

Tower and GOODWE 5K-ET

File version-20230425-V1-EN information might be subject to change without notice during product improving.

V1.0

Note

This is an instruction for connection and commissioning between Tower battery and GOODWE 5K-ET.

For details of the connection and commissioning, please go to user manual of the battery and the GOODWE 5K-ET if you cannot find it in this instruction.

This instruction is only applicable to upgraded Tower series , the upgraded Tower series have new characteristic as under:

1. The BDU-1.5 packaging carton will have a QR code label with the WiFi serial number.
2. The BDU has a built-in WiFi module, and the CAN communication port supports CAN/RS485 communication.
3. There is a QR code label with WiFi serial number on the right side of the BDU.

		T7	T10	T14	T17	T21
Nominal Energy/kWh		7.1	10.7	14.2	17.8	21.3
Nominal Voltage/V		192	288	384	480	576
Nominal Capacity/Ah		37	37	37	37	37
Ambient Temp/℃		0~50	0~50	0~50	0~50	0~50
IP Grade		54	54	54	54	54
Protective Class		I	I	I	I	I

Wi-Fi Logger
SN:R07E897536120030
Model:RBW-2-01101
Scan this QR code using the Dyness Smart app for WiFi configuration.
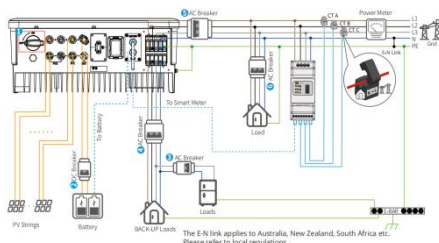
Applicable Product type

- Dyness Battery Module Type:

  Tower T10 ESS unit/Tower T14 ESS unit/Tower T17 ESS unit

- GOODWE Inverter Type:
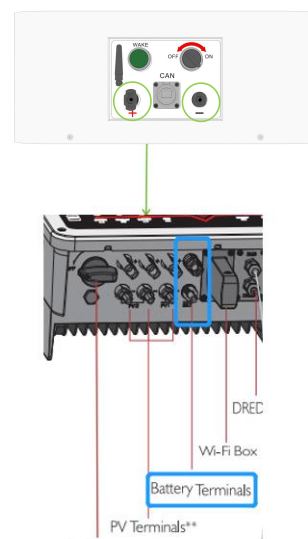
  GW5K/8K/10K-ET

Installation Steps
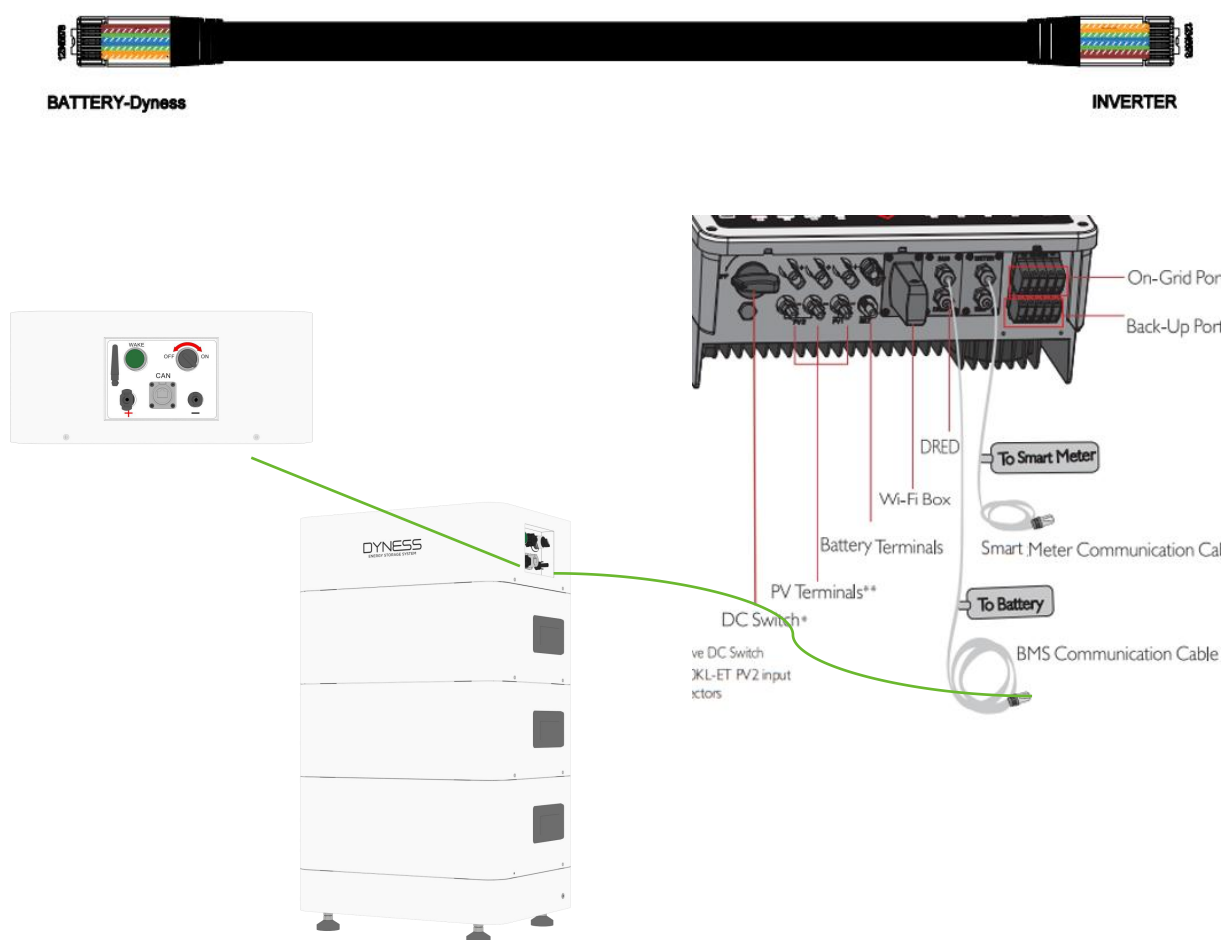
① Install tower as per user manual. Take T10 as an example

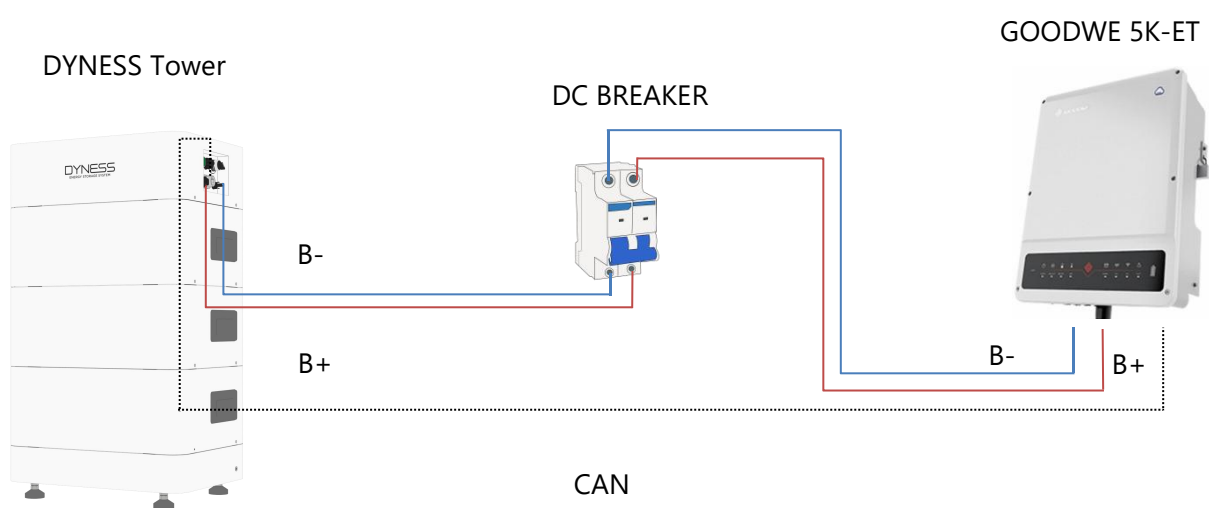② Refer to user manual to connect energy meter, grid, loads, etc. to GOODWE inverter

The E-N link applies to Australia, New Zealand, South Africa etc.
Please refer to local regulations.

③ Connect the battery power cables to inverter.

DRED
Wi-Fi Box
Battery Terminals
PV Terminals**

4 Connect the battery communication cable to inverter

BATTERY-Dyness   INVERTER

On-Grid Por
Back-Up Port

DRED
To Smart Meter

Wi-Fi Box
Smart Meter Communication Cal

Battery Terminals

PV Terminals**
To Battery

DC Switch*
BMS Communication Cable

ve DC Switch
)KL-ET PV2 input
xctors

WAKE
OFF   ON
CAN
+   −

DYNESS

It is recommended to install a circuit breaker between Tower and GOODWE

GOODWE 5K-ET

DYNESS Tower

DC BREAKER

B-

B+

B-   B+

CAN

Tower and GOODWE connection diagram

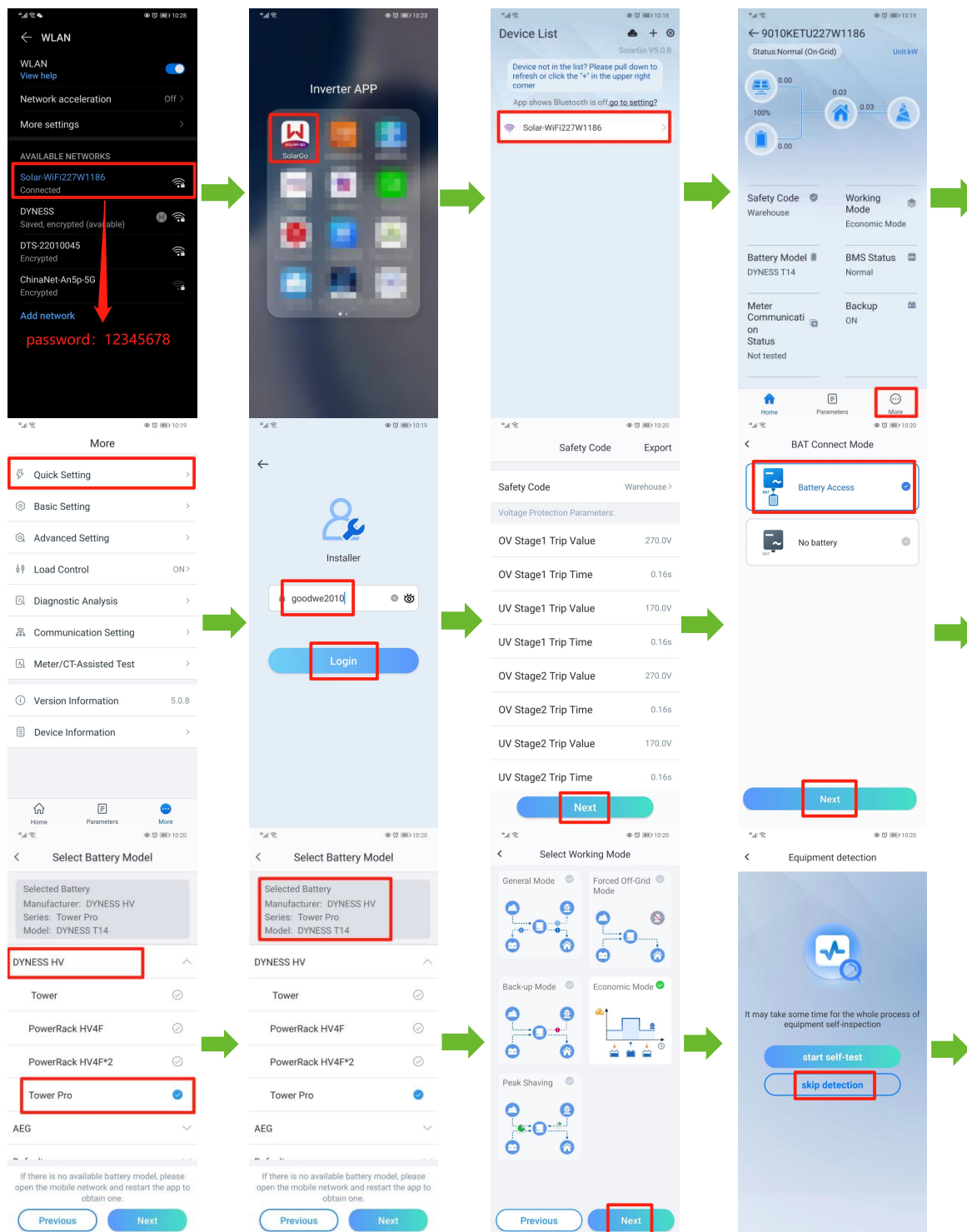**5** Turn on battery and inverter

Turn on inverter: turn on circuit breaker of mains power to turn on GOODWE. Turn on the DC switch to "I" position
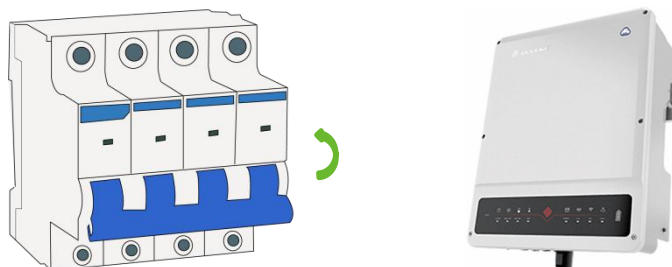
Turn on battery: Turn on the circuit breaker on BDU of tower, turn on circuit breaker between Tower and GOODWE; turn on the power on switch and press and hold on the "wake" button for 10s

On

Press and hold on 10secs

On
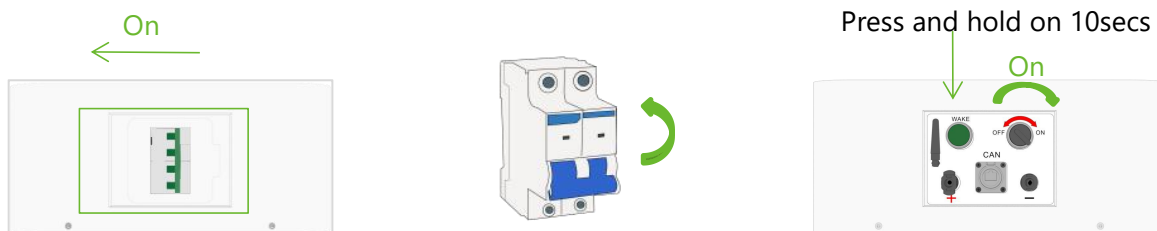
⑥ After the battery is turned on and the inverter is powered on, the mobile phone should first connect to the inverter's WIFI signal (password: 12345678), and then log in to the app "SolarGo" to select grid safety regulations, battery model, and working mode. The detailed operation steps are as follows:
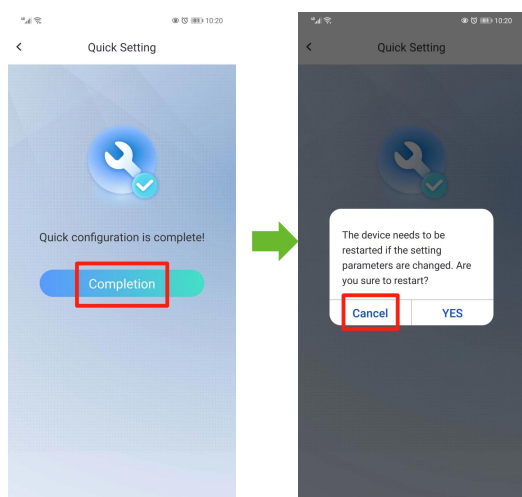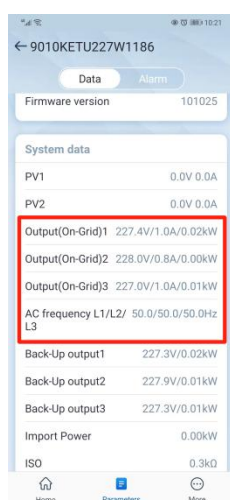
7 After the battery model setting is completed, you can view the battery information in the parameter interface.
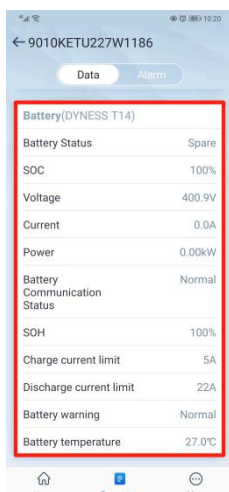

8 After the communication between the battery and the inverter is normal, turn on the mains air switch, and you can check whether the grid information is normal in the setting interface.

9 In the "Quick Setting" of the app, select the working mode as the "Economic mode".The battery is connected to the grid to charge and discharge. The detailed operation steps are as follows:
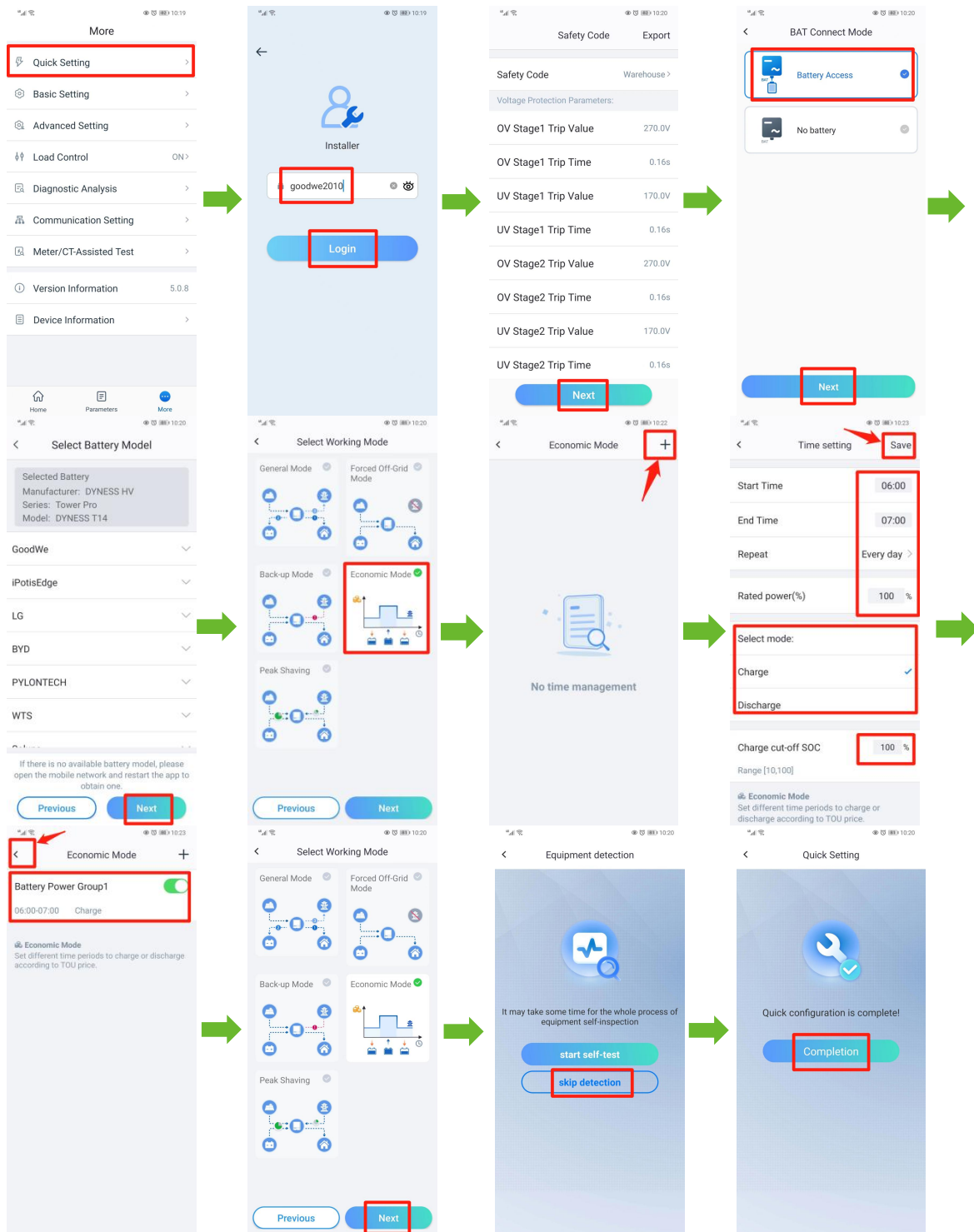
10 General Mode Settings:
In the "Quick Setting" of the app, select the working mode as the "General mode". The detailed operation steps are as follows:
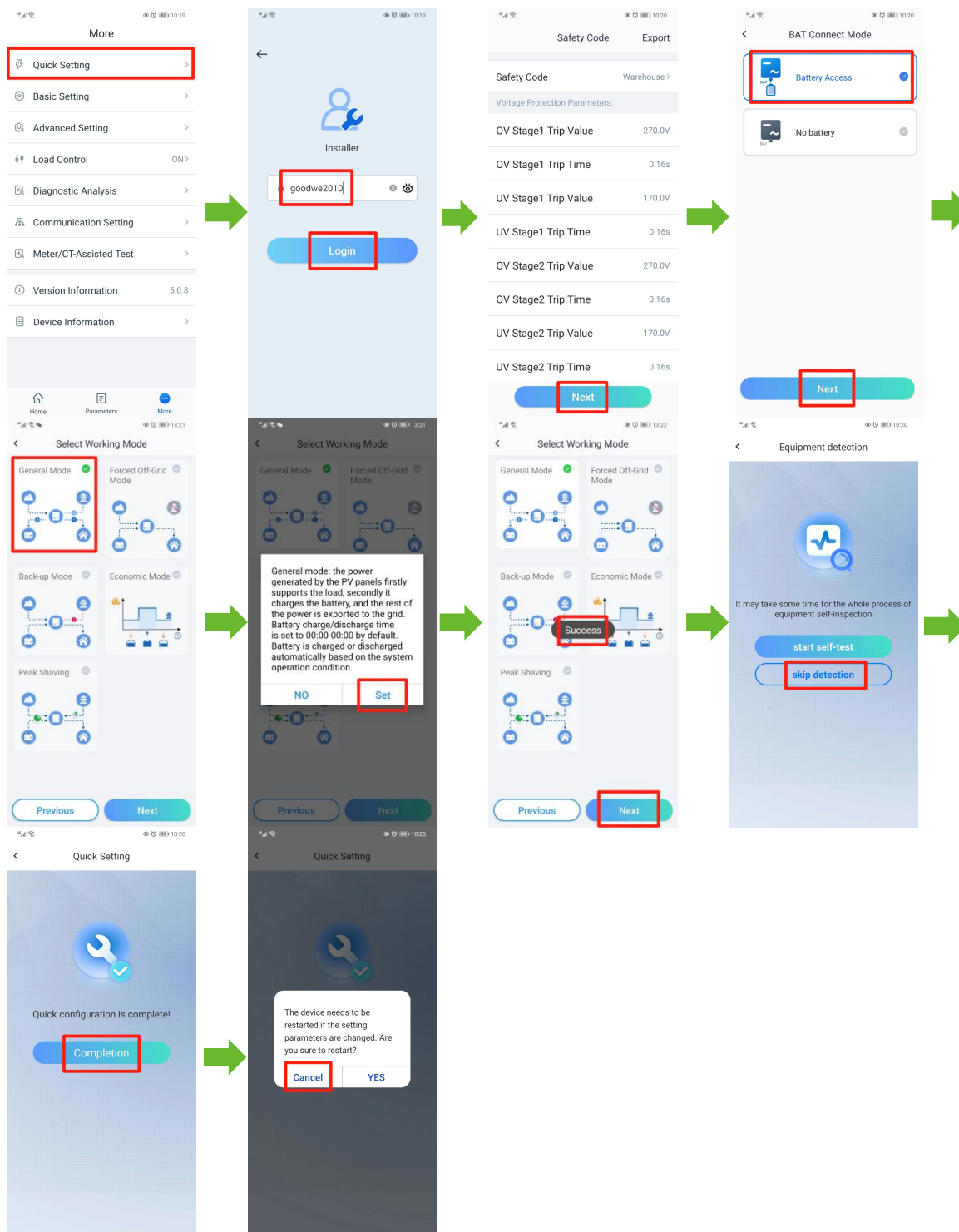
Dyness

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Digital version access

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