CONTROL

with iSTORE 3 Phase

Models:
IS-HYB-XXXX-3PH

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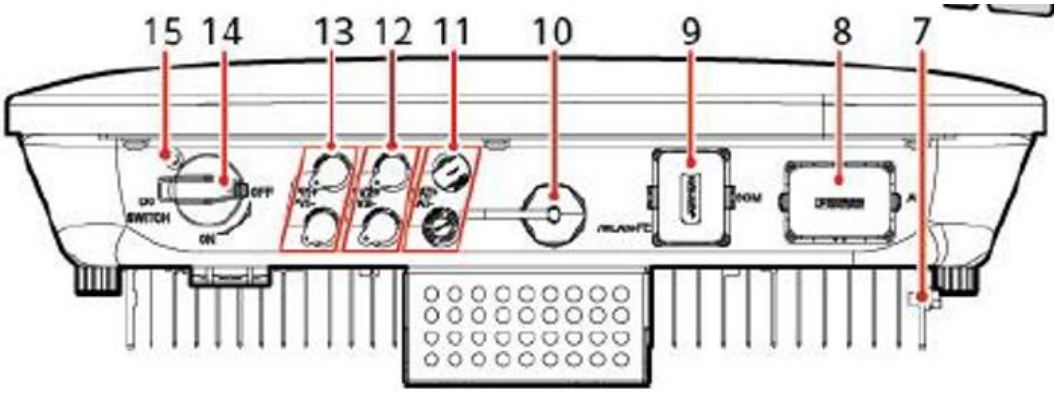
IMPORTANT

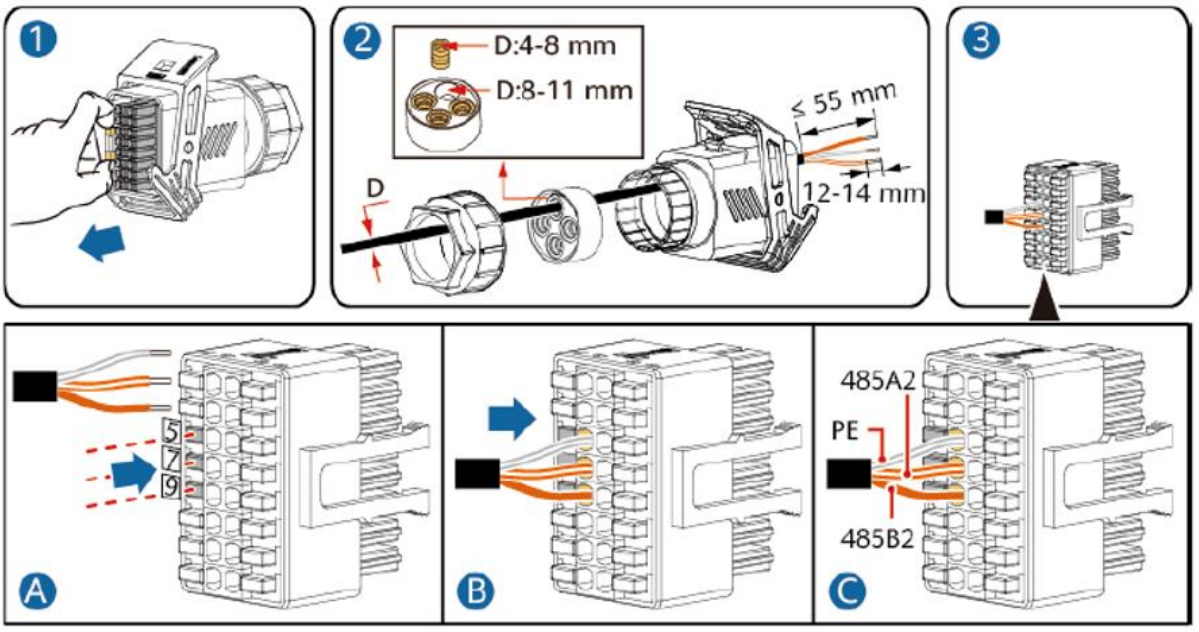
This guide discusses the specific wiring and configuration need to implement inverter control. Ensure the installation guide for both products is also followed.

Wiring Instructions

Ensure the data cable is rated for the voltages it will be in close proximity to.
A 120 Ohm terminating resistor may be required at the CATCH Relay terminals as shown in the diagram below if the cable run is longer than 10m.

The IStore inverter appearance is shown below. The RS485 communications cable is terminated into the 16-pin communications port (part id number below)





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Wiring Instructions

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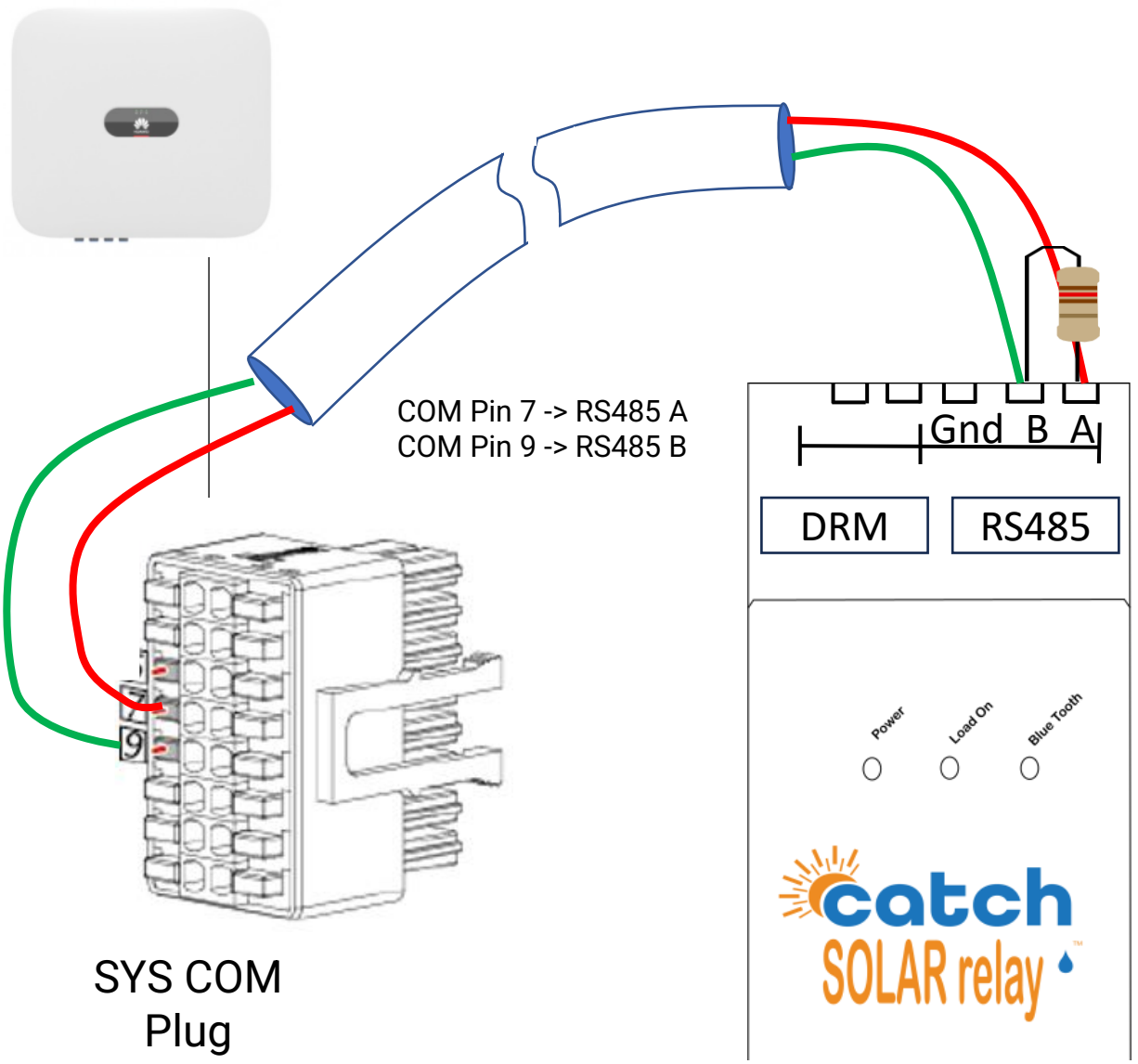
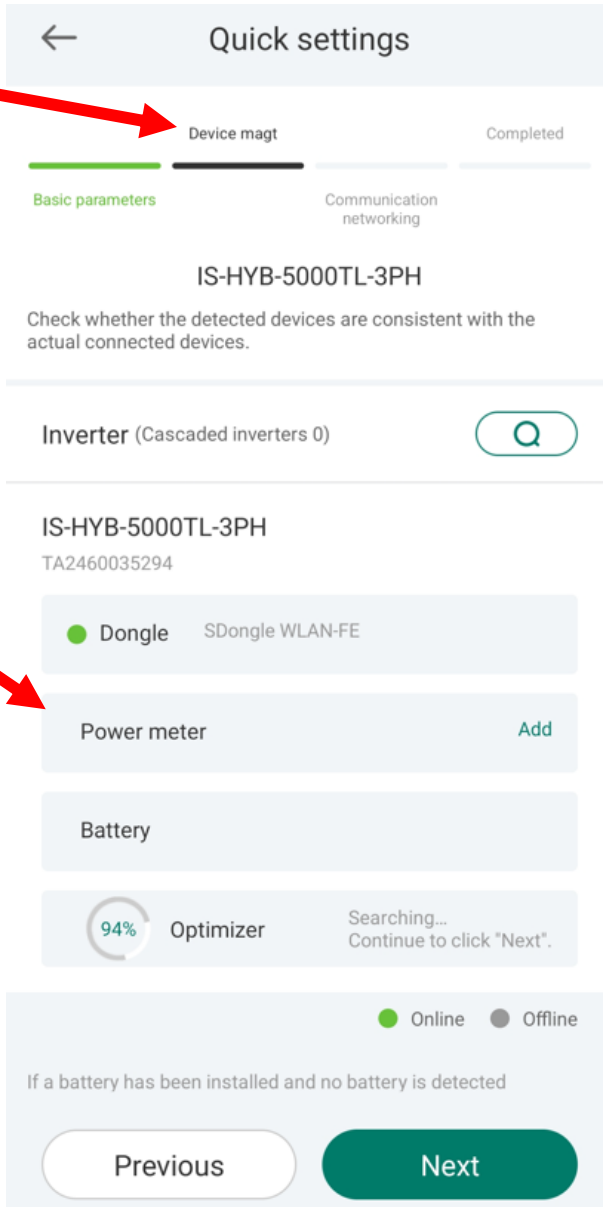


Inverter Setup

The configuration of the IStore inverter is done through the **HiSolar** App available on the Apple or Google stores.

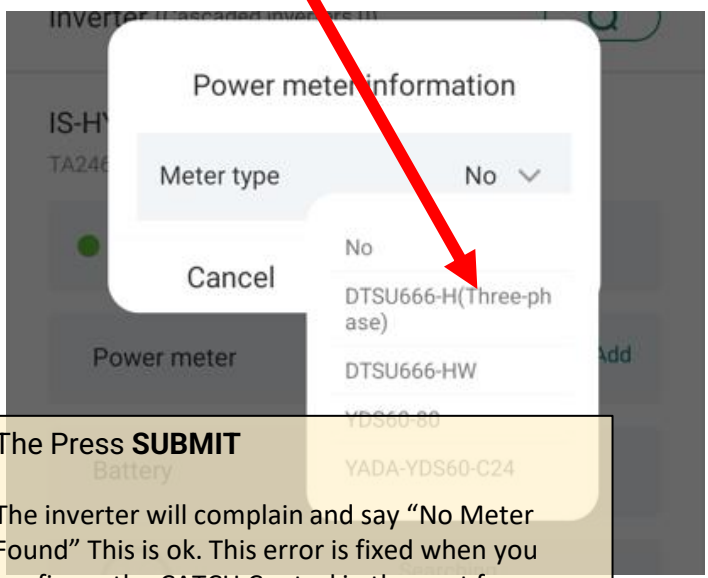
Follow the IStore installation guide on how to commission the inverter using the HiSolar App. The HiSolar App commissioning begins with the quick settings which proceeds through 4 menus. The second menu under quick settings is device management which sets the required meter for use with Catch power.

Quick settings: Device Management



Select **Add,** to add power meter

Select **DTSU666-H(Three-Phase),** as the meter

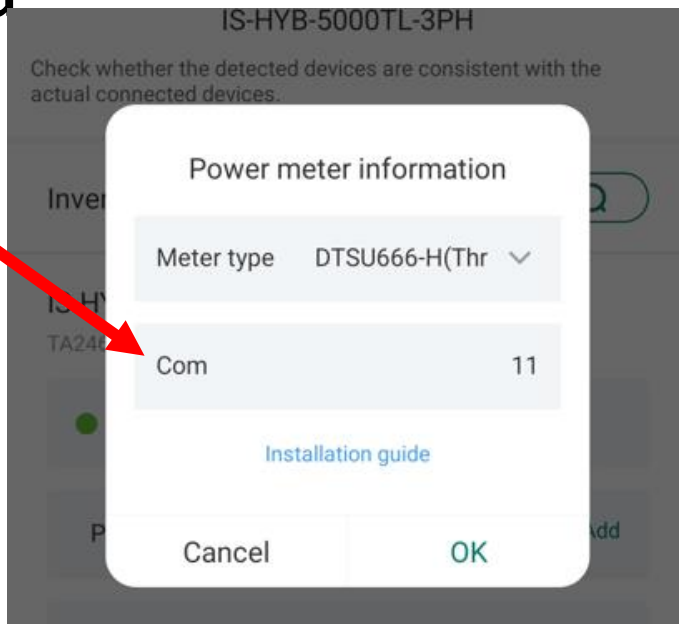


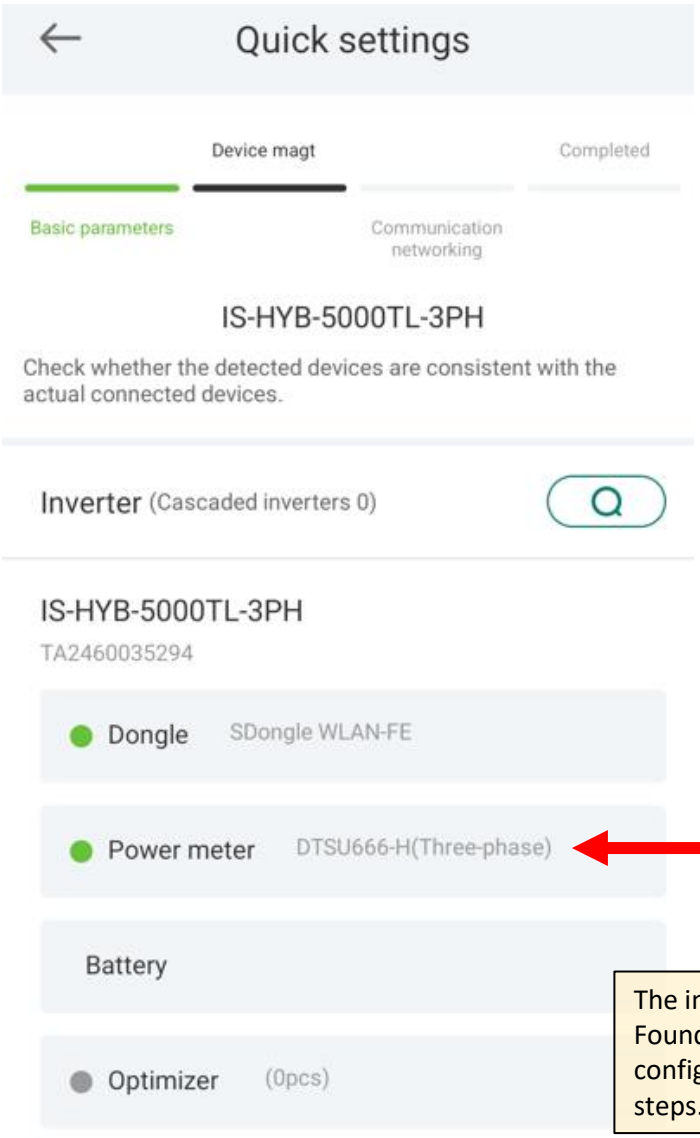
The Press **SUBMIT**

The inverter will complain and say “No Meter Found” This is ok. This error is fixed when you configure the CATCH Control in the next few steps.

Inverter Setup…continued

Leave the default com ID **11**





DTSU666-H meter has been set

The inverter will complain and say “No Meter Found” This is ok. This error is fixed when you configure the CATCH Control in the next few steps.

Continue and finish the quick settings.

Inverter Setup…Continued

Only follow the steps below if you want EDDE Control enabled.

EDDE Control needs to be enabled if you want the following features:

- Flexible Exports
- Inverter Control
- Market based pricing control such as AMBER curtailment
- EV Integration

IMPORTANT NOTES:

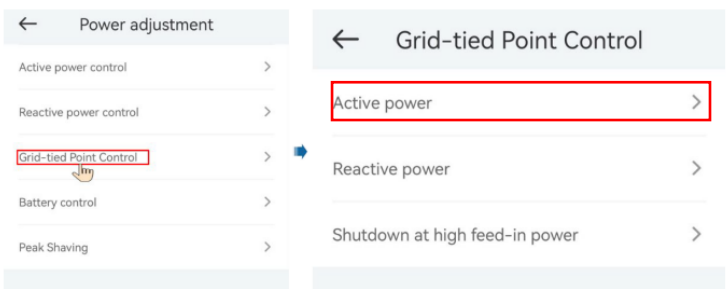
- By enabling EDDE Control you will loose meaningful consumption data on the inverters native platform.

- EDDE Control does not currently support battery installations for iStore.

To enable EDDE Control you need to **ZERO** export the inverter.

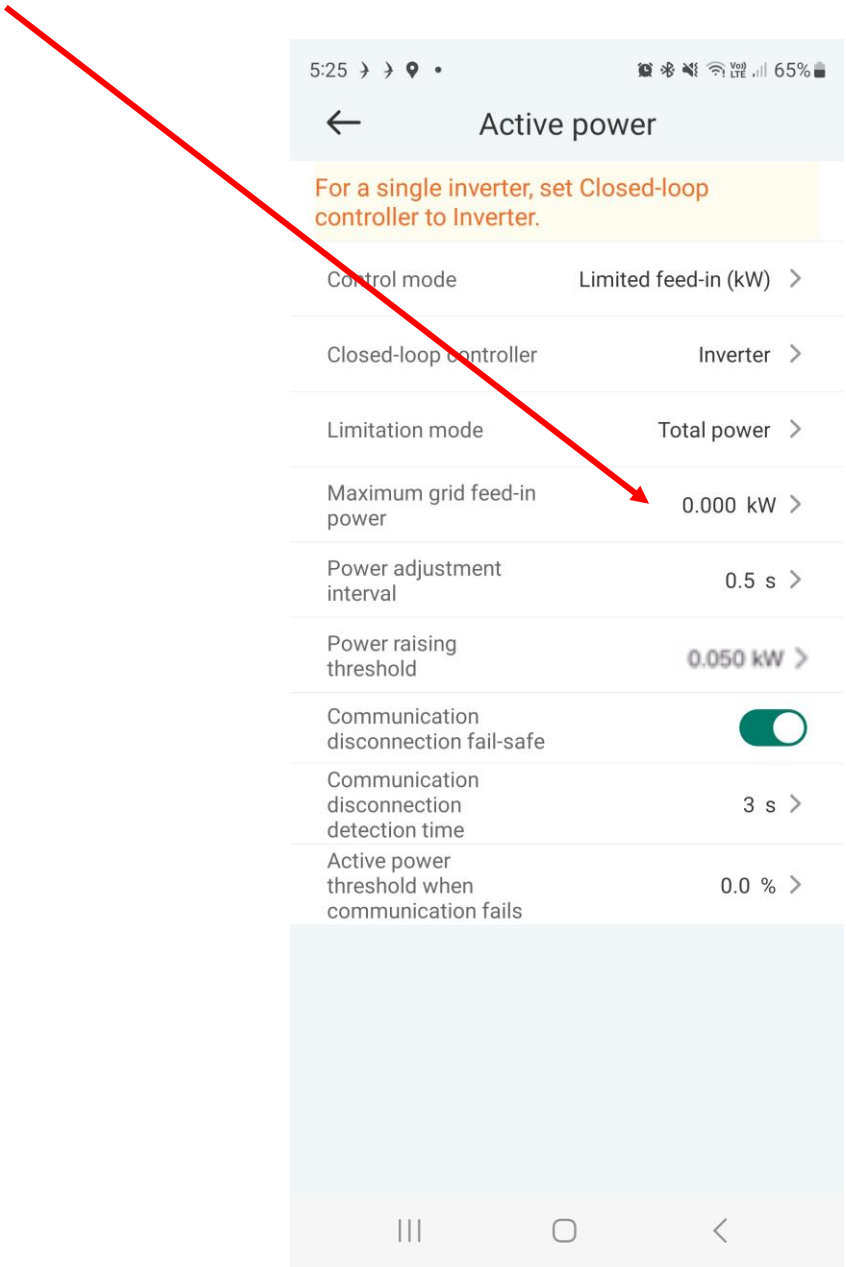
Following the instructions below to zero export the iStore inverter.

Step 3: On the home screen choose **Power adjustment > Grid-tied point control > Active Power**



Inverter Setup

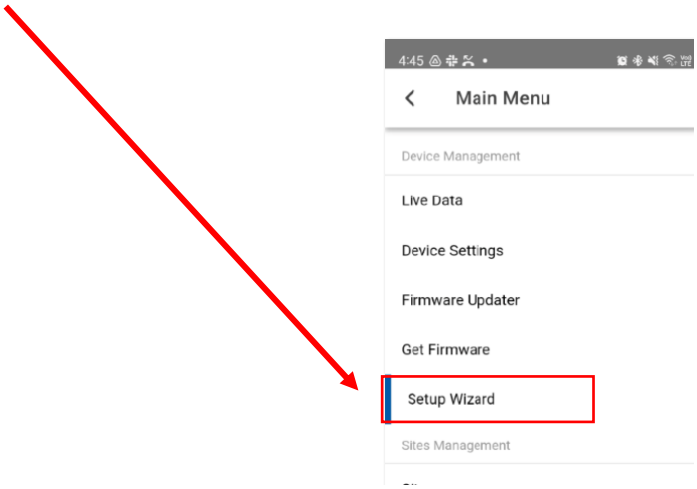
Step 4: Set the export limit to ZERO



CATCH Control Setup

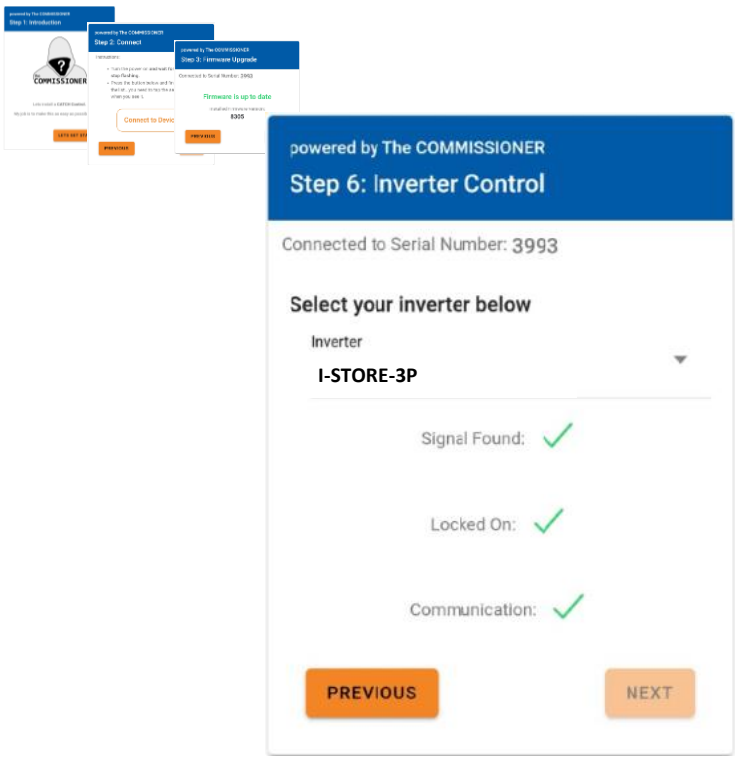
CATCH Power Configurator

1. Log into the CATCH Configurator and run the Commissioner.



2. Follow the Commissioner step by Step.

Step 6: Inverter Control
choose **I-STORE-3P** as the meter. And make sure you get all green ticks.



Choose: **I-STORE-3P**

You need **3** green ticks.

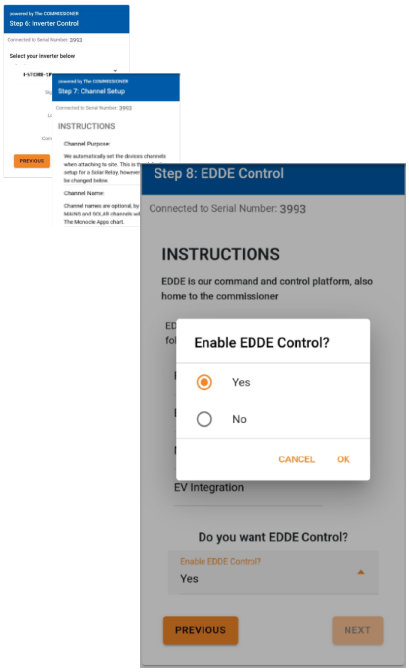
CATCH Control Setup

2. Follow the Commissioner step by Step.

Step 8: EDDE Control
choose if you want EDDE Control enabled. If you choose *Yes* you should have set the inverter export limit to zero in the inverter configuration earlier.

You will need EDDE Control to be YES if you want any of the following features.

- Flexible Exports
- Inverter Control
- Market based pricing control such as AMBER curtailment
- EV Integration



CATCH Control Setup

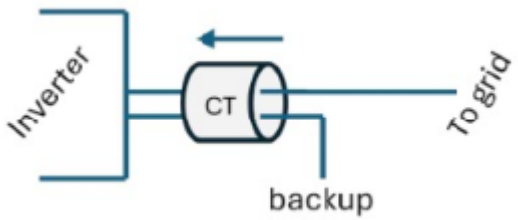
2. Follow the Commissioner step by Step.

Step 9: EDDE Export Control
If you choose YES for EDDE Control we will take care of the site export limit, not the inverter.

There are 2 important things for you to do.

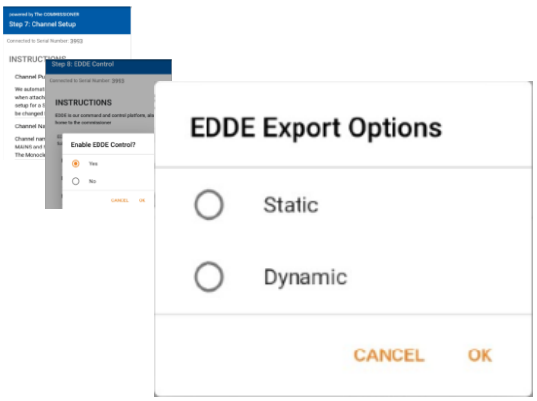
1. Make sure the solar CT is wrapped around the AC port of the inverter as shown Below.

   The SOLAR CT is **W2**.



2. Make sure you configure the inverter to be ZERO exported. (You should have done that in the previous inverter configuration section)

Tell us how the export limit is to be managed.



Static: Is when the DNSP tells you there is a fixed export limit. Example the connection application might say the site is limited to 5kW. This is a static export limit.

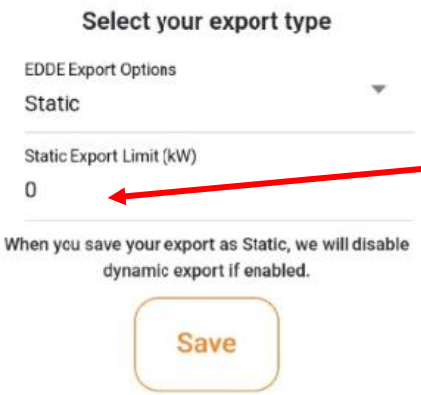
Dynamic: When you put the connection application in you would have nominated for the dynamic connection. The DNSP will adjust the export limit based on daily requirements.
You will need the NMI to complete the dynamic connection setup.

CATCH Control Setup

2. Follow the Commissioner step by Step.

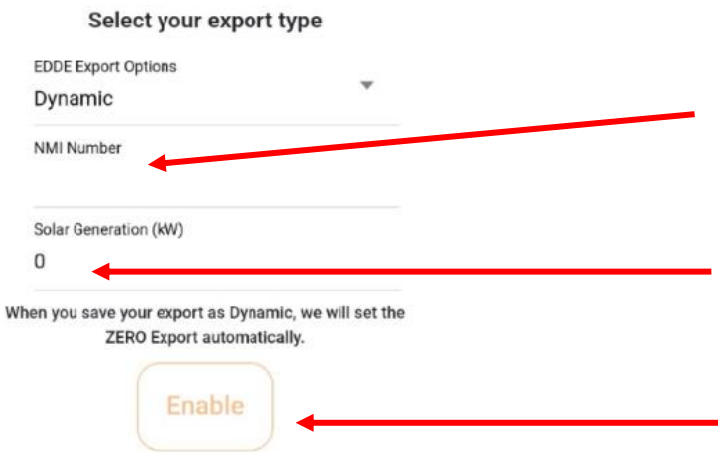
Step 9: EDDE Export Control..Continued

Static Export Configuration:



Fill out the export limit. For example if the site has a 5kw export limit type in 5 for the export limit and press **SAVE**

Dynamic Export Configuration:



Enter the customers NMI. This can be a 10 or 11 digit NMI.

Tells us the total amount of solar on site. Including any old systems.

Press Enable.

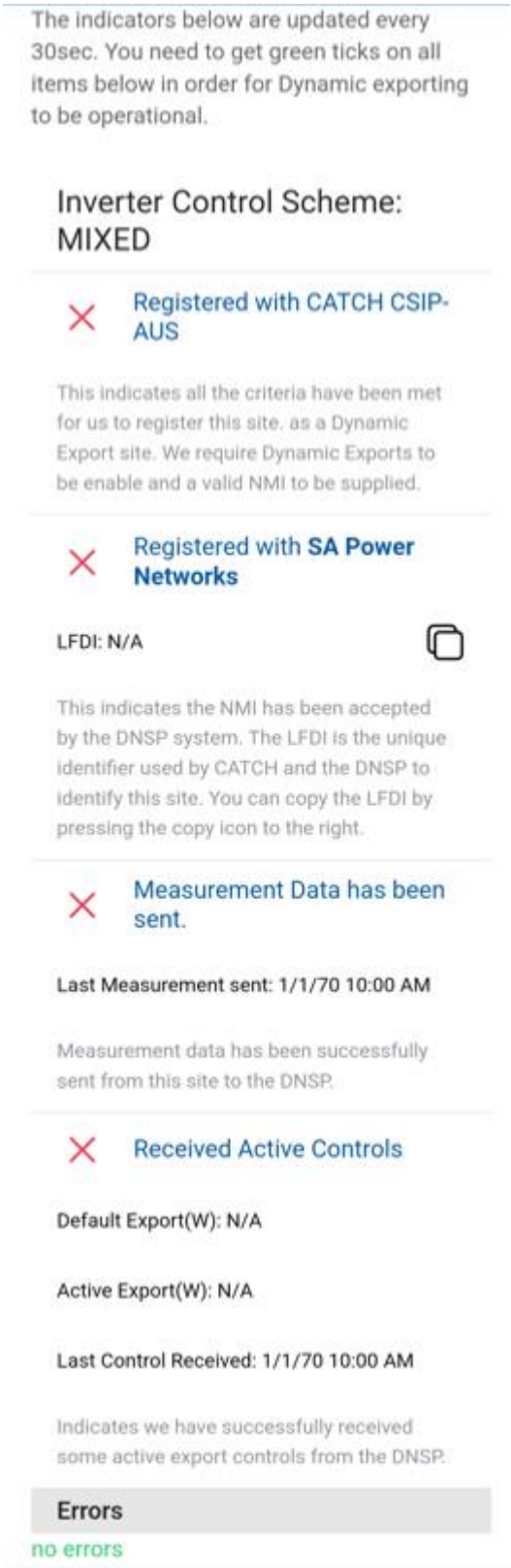
CATCH Control Setup

2. Follow the Commissioner step by Step.

Step 9: EDDE Export Control..Continued

Dynamic Export Configuration - Continued:

Once you have filled out the required information and pressed save the follow appears and shows you how the registration for dynamic exports is progressing… You want to see all green ticks for everything to be working.



CATCH Control Setup

2. Follow the Commissioner step by Step.

Step 10: Save Configuration

The final step is to review the configuration, and Press **SAVE**.

CONGRATULATIONS…

INSTALLATION COMPLETE.