

CSIP-AUS commissioning

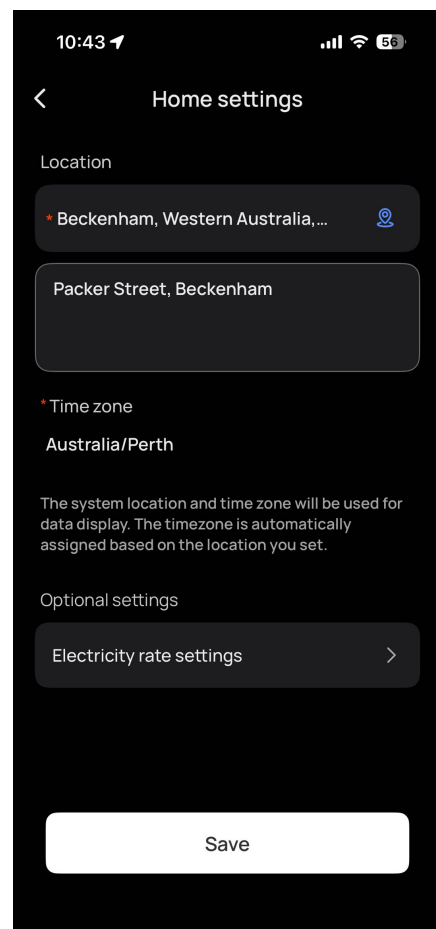
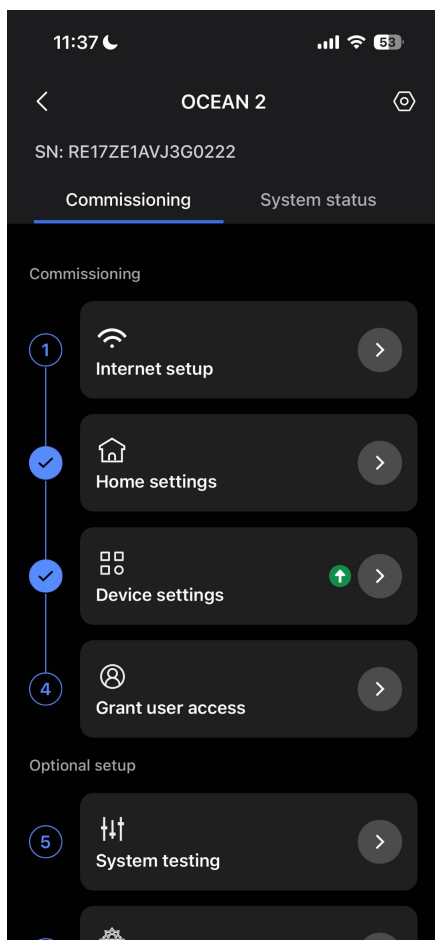
Australian DNSPs require solar and storage systems to connect to their CSIP-AUS (IEEE 2030.5) server, so that the DNSP can send dynamic export limits to the site. Commissioning takes two steps:

1. **Register the device with the DNSP:** Link the site's NMI to the device's LFDI on the DNSP's CSIP-AUS server.
2. **Capability test:** The DNSP sends test export limits to the site and checks that the system responds correctly.

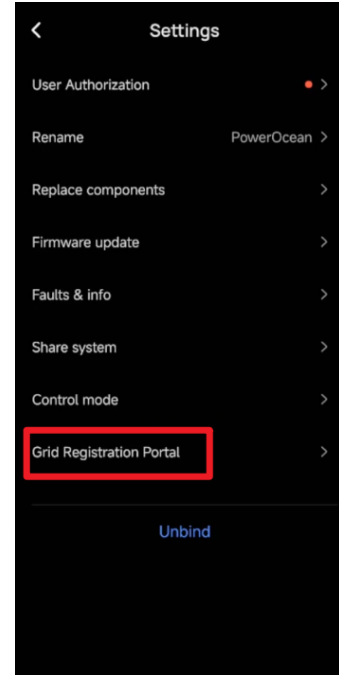
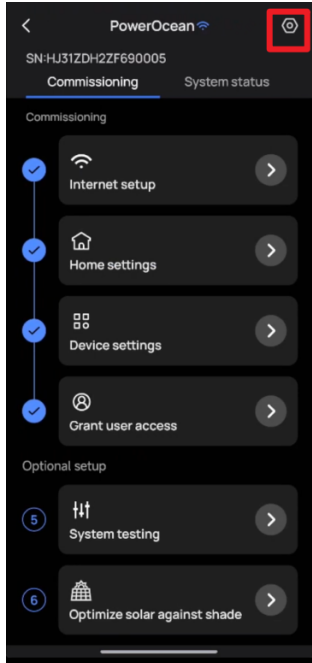
Commissioning is complete only after the capability test is passed.

Step 1: Register the device with the DNSP

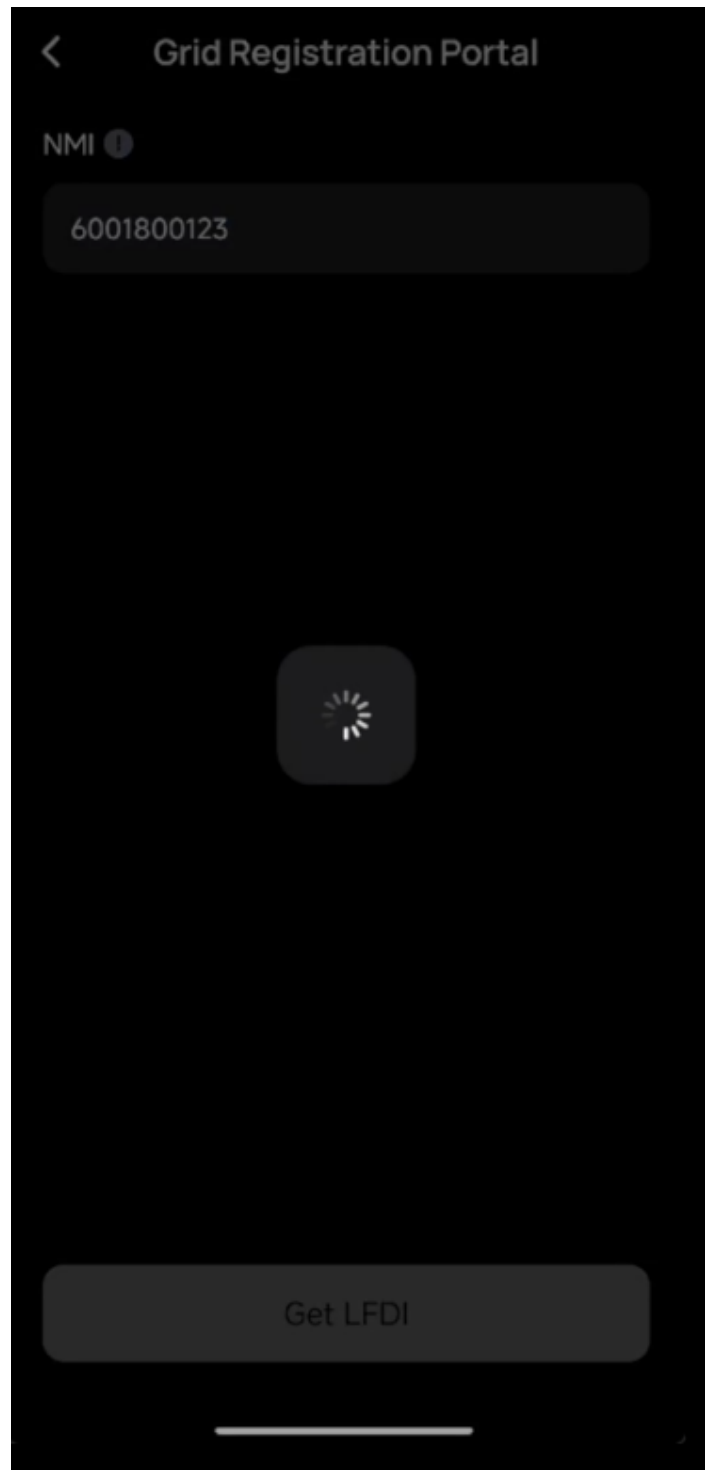
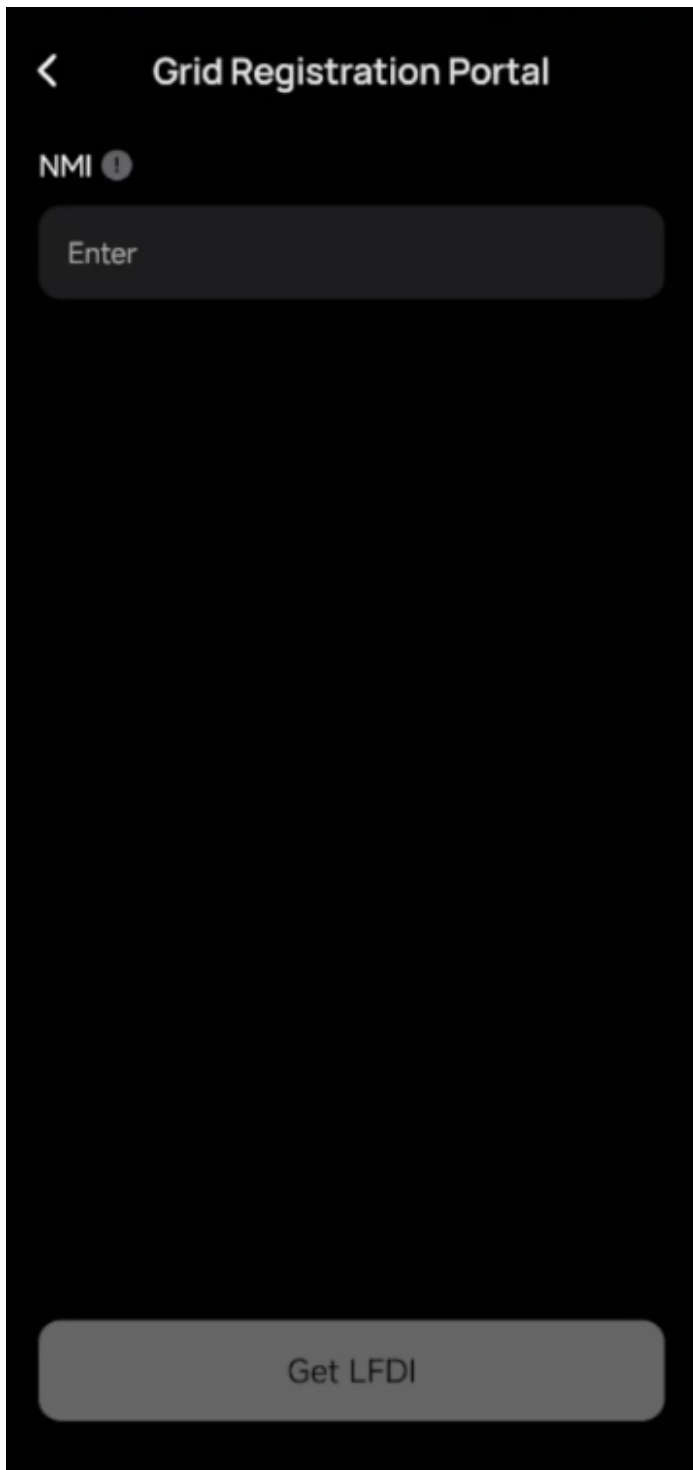
1. Open the EcoFlow Pro app and select the device. In **Home settings**, set the installation location to **Australia**. DNSP registration is only available for sites located in Australia.



1. Go to **Device settings** and tap **Grid Registration Portal**.



1. Enter the NMI (National Metering Identifier) of the site's grid meter, then tap **Get LFDI**. The app **automatically identifies the DNSP** from the NMI and sends the registration request to that DNSP's CSIP-AUS server. The device's LFDI (Long-form Device Identifier) is then displayed.



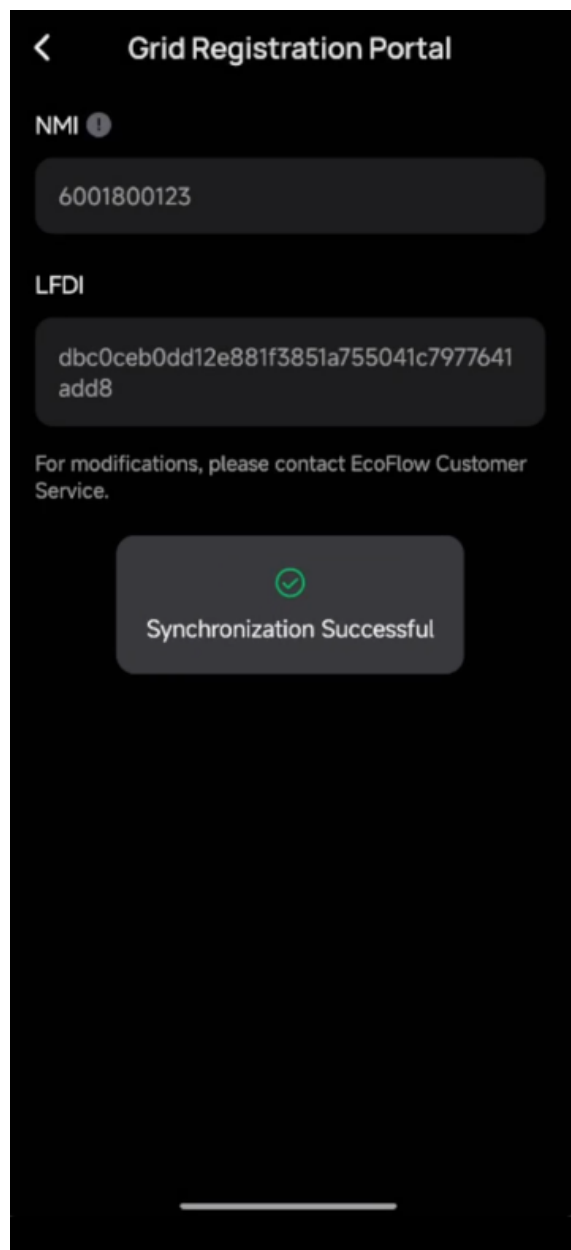
2.

On the DNSP's web portal, check whether the DNSP uses in-band or out-of-band registration:

- **In-band registration:** The device registers directly with the DNSP's CSIP-AUS server. Tap **Device synchronization**.
- **Out-of-band registration:** The device must be pre-registered with the DNSP first. Submit the device information (including the LFDI) to the DNSP, then tap **Device synchronization**.

The screenshot shows a mobile application interface for the 'Grid Registration Portal'. At the top, there is a back arrow and the title 'Grid Registration Portal'. Below this, the label 'NMI' is followed by a red circle with an exclamation mark. A text input field contains the number '6001800123'. Further down, the label 'LFDI' is shown. Below it, a text input field contains a long alphanumeric string: 'dbc0ceb0dd12e881f3851a755041c7977641add8'. At the bottom of the screen, there is a large, rounded rectangular button with the text 'Device Synchronization'.

1. When synchronization succeeds, the message **Synchronization successful** appears.



Step 2: Capability test

After the device is registered, the DNSP runs a capability test: it sends test export limits to the site through its CSIP-AUS server and checks that the system follows them. Depending on the DNSP, the test is either started by the installer on the DNSP's web portal, or started by the DNSP automatically after registration.

 The capability test requires a feed-in power of at least **1 kW**. If PV generation is not sufficient (for example, on a cloudy day or outside daylight hours), set up a scheduled battery feed-in task before the test. See **Set up scheduled battery feed-in** below.

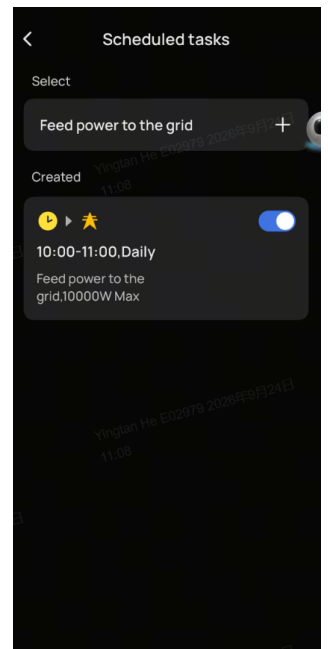
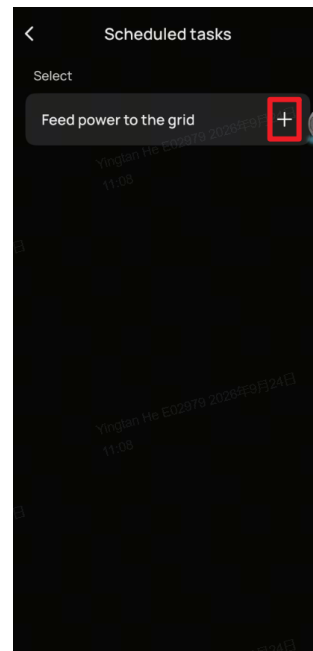
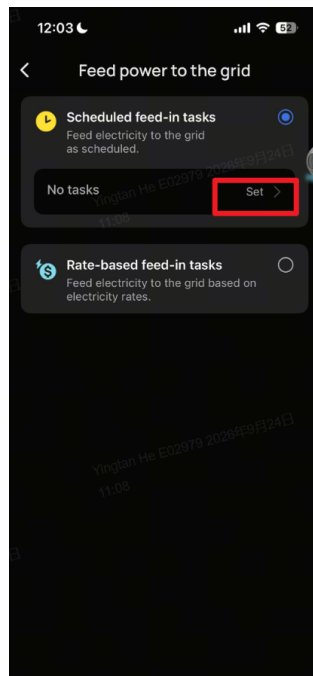
Before the test

Make sure all conditions below are met. Otherwise, the test may fail or produce inaccurate results.

Item	Description	Recommendation
Network connection	The site must have a stable Internet connection (LAN / WLAN / 4G) to upload measurement data and receive DNSP commands.	Ensure a strong and stable signal.
App feed-in limit	If a smaller feed-in limit is set in the app, the smaller value takes precedence, and the DNSP may not observe the intended effect.	Disable or increase the feed-in limit during the test.
Third-party devices	Third-party inverters may cause total feed-in to exceed the DNSP limit.	Disconnect third-party devices during the test.
Storage operating mode	Charging or grid-buying mode may prevent feed-in power from reaching the DNSP limit.	Switch to discharge mode.
Feed-in power	Feed-in must reach at least 1 kW. Some DNSPs also require a minimum PV output.	Test on a sunny day, or set up scheduled battery feed-in.

Set up scheduled battery feed-in (if PV is insufficient)

1. In the EcoFlow Pro app, turn on **Allow feed-in** and **Allow battery feed-in**. Set the breaker capacity and feed-in limit according to local requirements. Recommended settings: breaker capacity **32 A**; feed-in limit set to **Limited**, with the limit equal to the rated power of the device model.
2. Make sure the device is bound to the customer's EcoFlow app account. Then set up the feed-in task in the **EcoFlow app**:
 - a. Tap "Feed power to the grid".
 - b. Tap **Set**
 - c. Tap **+**.
 - d. Select the time period and feed-in power. Match the time period to the DNSP's test window as closely as possible. Keep the battery SOC above **50%**, so that the battery does not run low before the DNSP starts the test.



- e. Check that the feed-in task has taken effect. A grid meter is required. Without a grid meter, the feed-in task cannot run.
3. After the test, turn off and delete the scheduled feed-in task. Otherwise, the customer's own custom tasks cannot take effect.

Run the test

- **Triggered by the installer:** Log in to the DNSP's web portal, find the site by its NMI, and start the capability test.
- **Triggered by the DNSP:** No action is needed on the portal. The DNSP starts the test after registration. Keep the conditions above in place until the test is complete.

During the test, keep the system online and do not change any settings.

Check the result

The test result is issued by the DNSP. Check it on the DNSP's web portal; some DNSPs also notify the installer by email. If the test fails, check the conditions in **Before the test**, then run the test again.