

REDBACK

SAPN - Inverter Dynamic Exports Commissioning

Revision: 1 Date: 21/07/2023

Revision History

Revision	Description of Change	Author	Reviewer	Date
0	Issued for Use	Jarrod Giese, Senior Systems Engineer		14.06.2023
1	Updated Installer App Info	Jarrod Giese, Senior Systems Engineer		21.07.2023



Introduction

This document highlights the basic process of commissioning a Redback Inverter to comply with the SA Power Networks Dynamic Exports requirements. The Redback dynamic exports implementation is a purely native software solution – there is **no additional hardware** to be installed.

Installer Information

The Installer must follow the process flow guidelines set by SAPN on the [SAPN Installer Information](#) website for installing an inverter into SA from July 1st 2023.

The main point of difference from previous installations being the new SAPN device **compatibility test**, within the [SmartInstall](#) SAPN App, for when the customer has chosen the **flexible export** connection option.

- The compatibility test is performed during the “close-out” step of installation.
- Installers can refer to section “SmartInstall Closeout” from the SAPN [Flexible Exports Rollout Guide](#) for further compatibility test information.

Pre-requisites

Download and install to your phone the latest Redback Installer App - v2.18.2 or greater.

[Redback Installer App: [Android](#), [Apple](#)]



Redback Inverter – SAPN Commissioning

Step 1: Fixed or Flexible Connection Agreement

- Perform this step for both Fixed and Flexible Connection Agreements.

The standard onboarding procedure of the Inverter using the Redback Installer App is to be followed – no changes to the Installer App have been implemented for this step for dynamic exports. [Redback Installer App: [Android](#), [Apple](#)]

Important Information

Ensure the following data is captured via the Redback Installer App during the onboarding procedure for successful dynamic exports operation:

1. Ensure the **residential address** of the inverter is captured and **Saved** into “Customer Information”.
 - a. The ‘State’ entry is to be the abbreviation i.e. **SA**
2. Ensure **NMI** is **Saved** into “Customer Information”

10:20

← Customer information

Unit/Building (optional)

Suburb
Brisbane

State
SA

Postcode
4000

Country
Australia

NMI

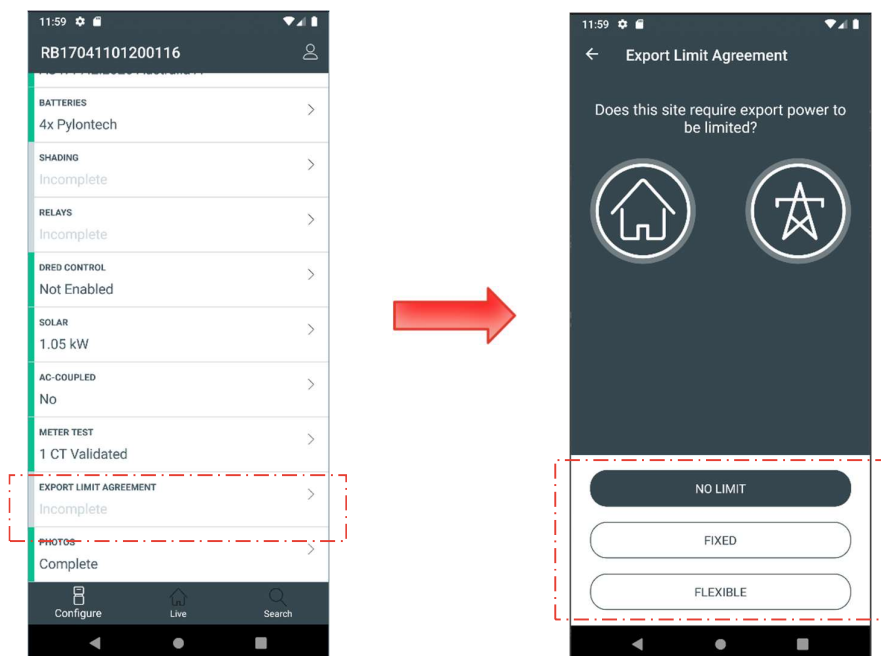
SAVE

Step 2: Fixed or Flexible Connection Agreement

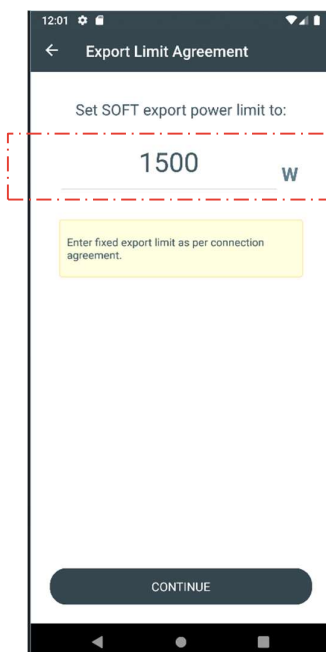
- Perform this step for both Fixed and Flexible Connection Agreements.
- Export Limit Connection Agreement

Smart Hybrid Inverters [SH / ST]

1. Click 'Export Limit Agreement' and select the Connection Agreement



2. If "Fixed", enter the fixed limit defined in the Connection Agreement e.g. below.



3. If "Flexible", select the DNSP in the Connection Agreement.

12:00

← Export Limit Agreement

Who is the Distribution Network Service Provider for this site?

☐ SA Power Network

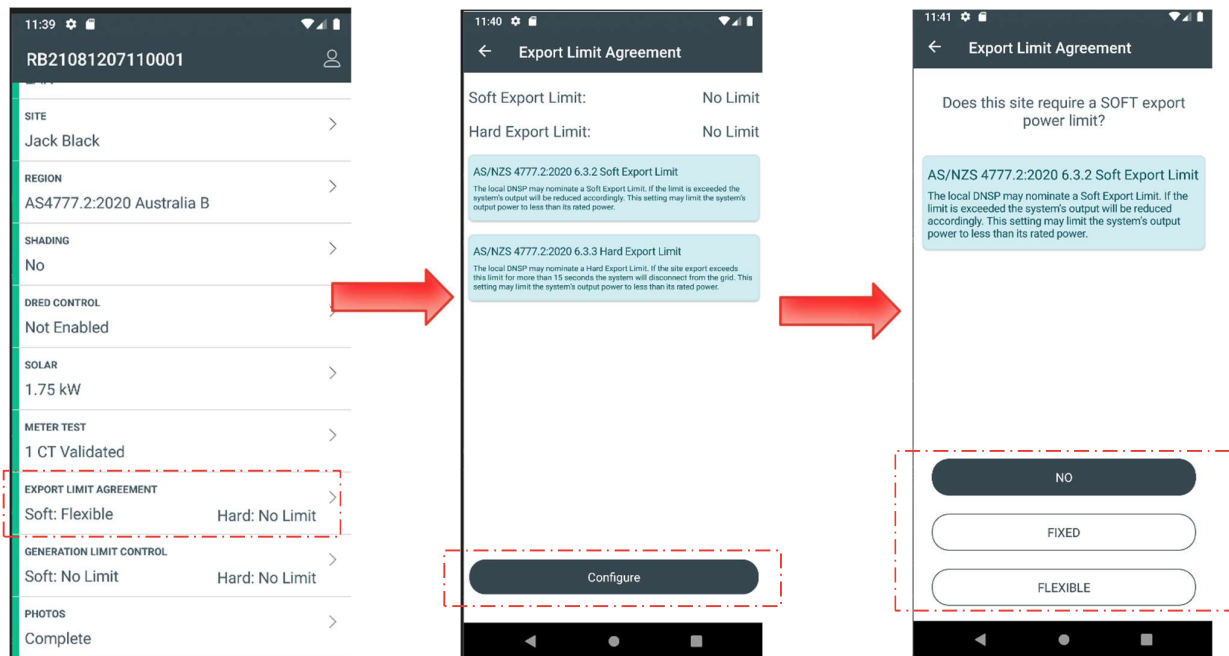
CONTINUE

4. Goto **Step 3**.

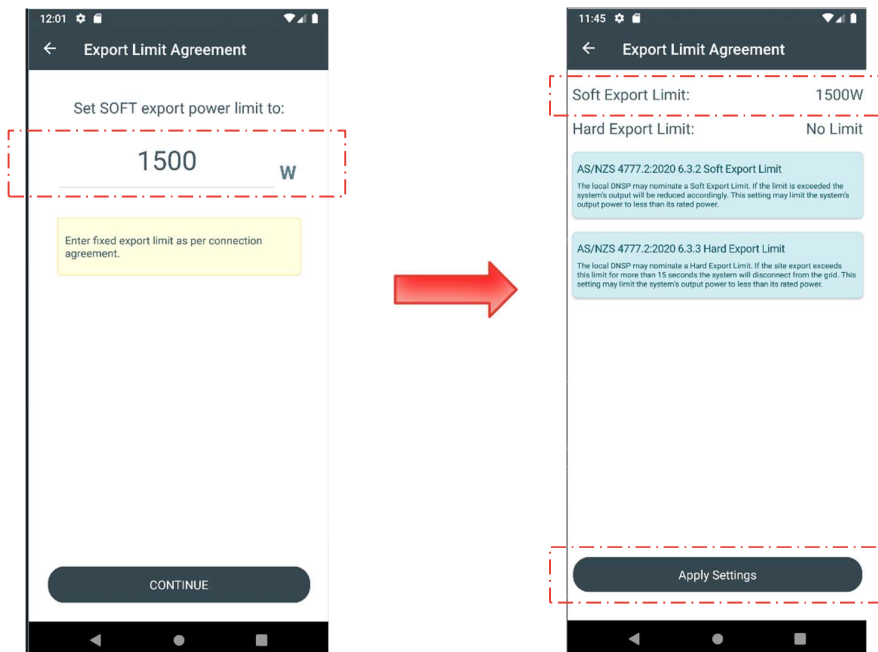


Smart Grid-Tie Inverters [SI]

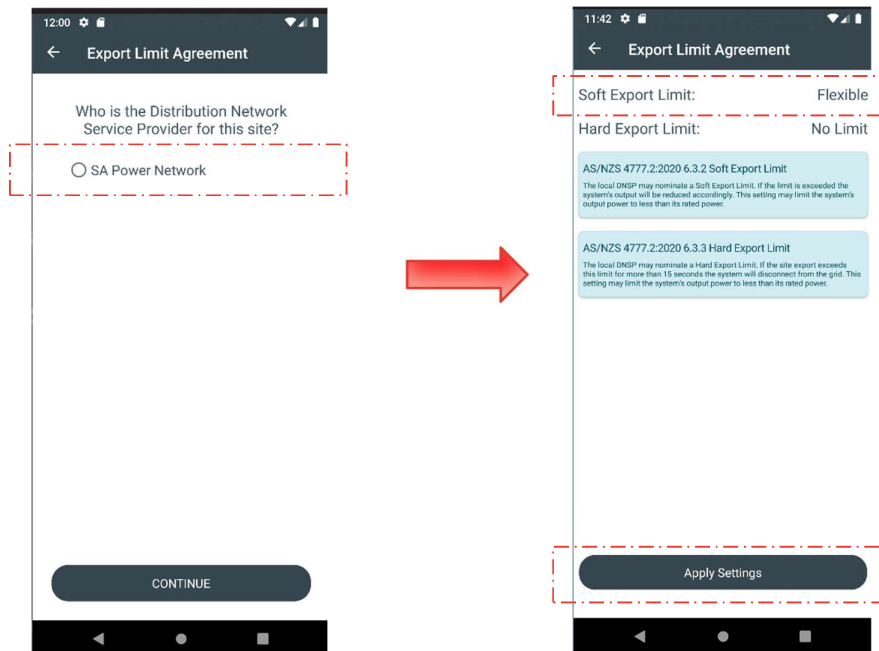
1. Click 'Export Limit Agreement', 'Configure' and select the Connection Agreement



2. If "Fixed", enter the fixed limit defined in the Connection Agreement and 'Apply Settings' e.g. below.



3. If “Flexible”, select the DNSP in the Connection Agreement and ‘Apply Settings’.



4. Goto **Step 3**.

Step 3: Flexible Connection Agreement Only: Device Compatibility Test

- This step is performed for Flexible Connection Agreements only.

Perform the new SAPN device **compatibility test**, within the [SmartInstall](#) SAPN App, to close out commissioning.



Inverter Dynamic Exports Commissioning Flow

