



Redback

Victoria Emergency Backstop – Commissioning v1

Date: 26/09/2024

Revision History

Version	Description of Change	Author	Reviewer	Date
0	Created for Victoria Emergency Backstop	Paul Hillman, Director of Software		26Sep2024

Terms used in this document

Term	Meaning
DNSP	Distributed Network Service Provider (e.g. Citipower, United Energy, Powercor, Jemena)
LFDI	Long Form Device Identifier
NMI	National Metering Identifier
Victorian Emergency Backstop	A mechanism to ensure that new, upgrading and replacement rooftop solar systems connected to the electricity distribution network can be remotely curtailed in a minimum system load emergency, to safeguard system security.
Dynamic Exports	
Fixed Export Agreement	DNSP may only export power at an agree level.
Flexible Export Agreement	DNSP may vary the export power as required.
RedbackINSTALL	The Android or iOS app required to complete the installation of Redback inverters.
Redback Portal	www.redbacktech.com/portal (login required)
Out-of-band registration	

1. Introduction

This document highlights the basic process of commissioning a Redback Inverter to comply with the Victorian Emergency Backstop program and is applicable for all DNSPs.

The Redback Dynamic Exports implementation is a software-only solution – no additional hardware is required.

2. Installer Information

The Installer must follow the process flow guidelines set by Victorian Emergency Backstop as applicable for the relevant DNSP.

DNSP:	CPPCUE (CITIPOWER, UNITED ENERGY, POWERCOR)	AUSNET	JEMENA
Installation available from:	1 st October, 2024	1 st October, 2024	1 st October, 2024

3. Pre-requisites

Install the RedbackINSTALL app on your mobile device. V2.22 or higher is required.



4. Redback Inverter –Commissioning

4.1 Select Fixed or Flexible Connection Agreement

Perform this step for both Fixed and Flexible Connection Agreements.

Follow the standard inverter onboarding procedure –there are no changes specific to dynamic exports.

Important Information

For correct Dynamic Export performance, ensure the following data is captured on the app Customer Information page, shown right.

- Residential address
- State recorded as the three letters e.g. VIC
- NMI

Customer information

Inverter Location

Street address
10 Blamey Avenue

Unit/Building (optional)

Suburb
Mill Park

State
VIC

Postcode
3082

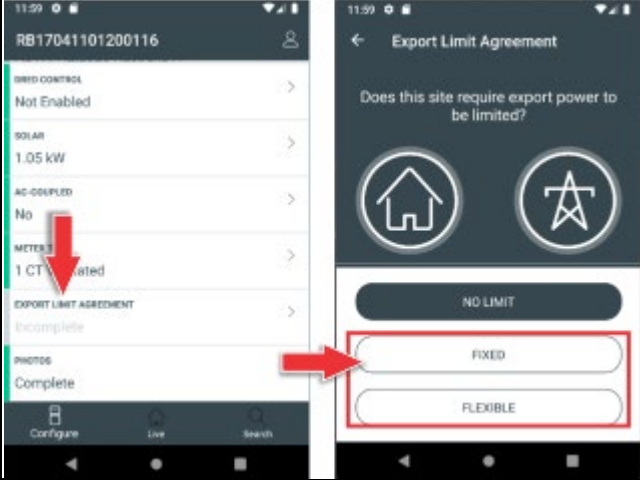
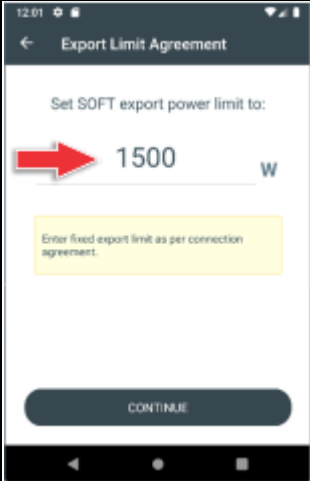
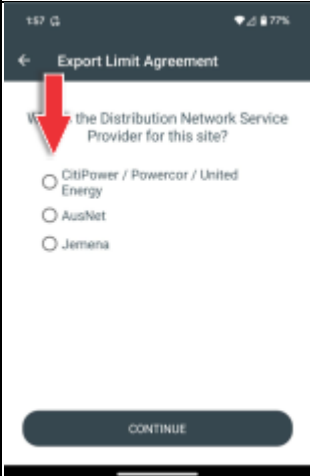
Country
Australia

NMI

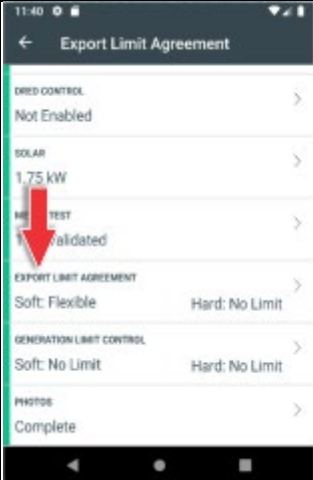
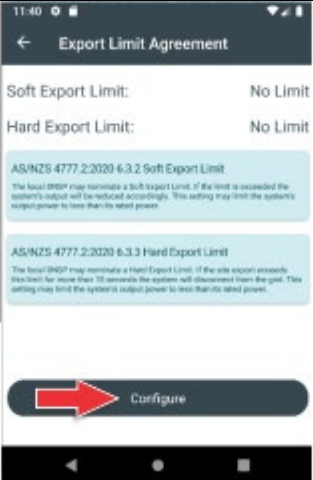
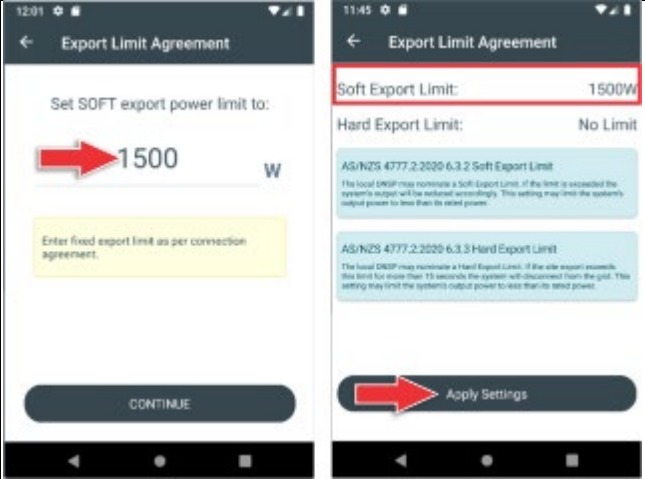
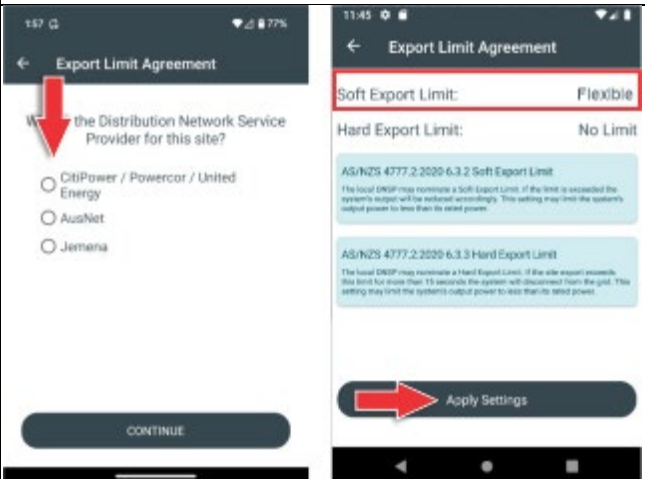
4.2 Select Export Limit Agreement type

This step is required for both Fixed and Flexible Connection Agreements. Using the RedbackINSTALL app, follow the process below for your inverter.

4.2.1 Smart Hybrid Inverters (SH & ST series) – In app selections

#	DESCRIPTION	ILLUSTRATION
1	Select Export Limit Agreement	
2	Select the required Export Limit type .	
3	For Fixed Exports: • Enter the limit defined in the DNSP Connection Agreement • Select Continue • In this document, jump to Section 4.3.	
4	For Flexible agreements: • Select the DNSP. • Select Continue • In this document, jump to Section 4.3.	

4.2.2 Smart Grid-Tie Inverters (SI) – In app selections

#	DESCRIPTION	ILLUSTRATION
1	Select Export Limit Agreement	
2	Review information. Select Configure to continue.	
3	Select the required Export Limit type .	
4	For Fixed Exports • Enter the limit defined in the DNSP Connection Agreement. • Review settings and select Apply Settings. • In this document, jump to Section 4.3	
5	For Flexible Exports: • Select the DNSP in the Connection Agreement. • Review settings and select Apply Settings. • In this document, jump to Section 4.3	

4.3 Step 4: Out of Band Registration

For Jemena, the LFDI will need to be accessed through the Redback Portal, to support the out-of-band registration.

You can find the LFDI in the Portal Details screen as shown below. This reference may be used in the providers Portal.

4.4 Step 3: Flexible Connection Agreement Only: Device Compatibility Test

- This step is performed for Flexible Connection Agreements only.

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