



Solar Connect Virtual Power Plant Installer Application

Overview

Alice Springs Future Grid is inviting installers to submit an application to be involved in the project.

Future Grid is undertaking a Virtual Power Plant (VPP) trial, named Solar Connect. The trial will involve solar-powered households with and without batteries. Solar Connect is one of a series of innovative trials, models and investigations which will inform the design of a pathway towards our town reaching the Northern Territory's renewable energy target of 50 per cent by 2030, and beyond.

It is expected that between 50 and 100 participants will be enrolled in the Virtual Power Plant trial. Future Grid intends to engage a number of local installers that are Eligible Businesses to complete the required Works. Installers must have all relevant licences and accreditations to undertake electrical works. Registered Solar Connect Installers will also have completed a short online training course with our VPP provider, SwitchDin.

Become a Registered Solar Connect Installer

- ✓ Fill in this application form, confirming your licenses and accreditations
- ✓ Complete the SwitchDin Training
- ✓ Attend a Solar Connect briefing
- ✓ Each Solar Connect participant requires 2 x site visits



Works

Installers will be engaged on the project to ensure the participant has the required equipment, settings, internet connection, software, etc (see Schedule 1: Requirements for the installation of Future Grid Equipment at a Property) to participate in Solar Connect.

Installers are expected to undertake up to two site visits. This includes an initial site assessment. A second site visit would be required to complete works identified at the first site visit, and agreed to by the site owner and Future Grid. The works required at each site will vary, and will depend on the assets at the site and the Solar Connect stream they are enrolled in. Details for payments and invoicing are in the trial [Terms and Conditions](#).

There are three streams a participant can be in:

1. Solar and battery Trial
 - In this stream participants are encouraged to bring their own battery (BYOB) to the trial.
2. Solar-only (basic connection type $\leq 5\text{kW}$ single phase or $\leq 7\text{kW}$ three phase)
 - In this stream participants with solar are encouraged to apply to be involved in a dynamic export trial.
3. Solar-only (Supersize, basic connection type $\leq 10\text{kVA}$ single phase OR $\leq 30\text{kVA}$ three phase)



- In this stream participants with solar that is typically export limited will be able to participate in the dynamic export trial.

The installer will be responsible for ensuring they hold all relevant licences and accreditations to undertake the site works. Requirements include accreditation with SwitchDin products, which requires the completion of [SwitchDin Training](#).

Exclusions

Participants are eligible to participate in the VPP if they have an existing or new installation (solar and/or batteries). Installations should be completed by 31 January 2021. Any new installations or upgrades of solar and/or batteries and the balance of system will occur separately to Future Grid.

Installers are ineligible to complete works at existing solar sites, where they installed the solar system. (No self-audits for solar-only sites permitted).

Delivery timeframe

Installers are expected to be required to complete works for the project from November 2021 to February 2022. The timeframe for deliverables are described in Schedule 2.

Acceptance of application

By submitting an application, you agree to our Solar Connect [Terms and Conditions](#), which may change from time to time. If your application is successful your details will be provided VPP applicants (homeowners and small business) as a Registered Solar Connect Installer. You will also receive and Installer Pack, which includes the use of the Solar Connect logo and promotional material.

Future Grid does not guarantee that you will gain work through the trial or payment from the project, as the applicants will have the opportunity to select the installer. However, Registered Installers are encouraged to contact past customers who may be eligible for this opportunity.



Installer Application Form

Please complete the following sections and submit your application to: Hannah.farrow@dka.com.au
Attention: Hannah Farrow, Project Manager Alice Springs Future Grid.

If you have questions please contact the Community Solutions Team for Alice Springs Future Grid, on 1800 ALICE VPP (1800 254 238) or info@alicespringsfuturegrid.com.au. Please check our website as well at: alicespringsfuturegrid.com.au/VPP

Contact & Company

Contact person	
Position	
Company trading name	
ABN	
Address/base	
Email/telephone	
Website	

Key personnel

Please nominate the key personnel from your organisation able to undertake works for Future Grid.

Installer name #1	
Installer name #2	
Installer name #3	

Accreditations and Licences to Operate

For each installer/key personnel and business please list below, and provide details and copies of:

- Statutory licences and qualifications held.
- Accreditations, including CEC accreditation type and number, and accreditations for specific technologies, for example Tesla products require.

SwitchDin Accreditation

Eligible installers must complete the SwitchDin Academy accreditation program and be a SwitchDin Accredited Installer prior to being put on the list of Future Grid installers. Please confirm:

- Are you a SwitchDin Accredited Installer? Yes No
- If yes, please attach evidence to your application form
- If no, from what date can you on complete the training? [Click or tap here to enter text.](#)



Capacity

Please describe your availability to meet the timelines, stating any competing priorities.

Past Performance

Please provide a statement describing your ability and the ability of the Key Personnel to carry out the work required, citing three previous comparable works completed to a high standard.

Local Content

Please set out evidence that your Business is a Territory Enterprise (as defined in the Terms and Conditions).

Describe how your business supports the local economy or community and whether your business employs Aboriginal and Torres Strait Islander people, if so, how many and in what capacity

Insurance Requirements

Please attach certificates of currency in respect of the following insurances:

TYPE	AMOUNT OF COVER REQUIRED	Yes/No
Public and Products Liability	\$10,000,000	
Workers' Compensation and Employer's Liability	Including, but not limited to, the insurance required under the Workers Rehabilitation and Compensation Act	



Declaration, of Applicant Business

By submitting this application you agree that you:

- Have read and agree to the Alice Springs Future Grid, Trial Phase – [Terms and Conditions](#).
- Have read and understood the additional Schedules below and on the website, that include Requirements for installations at a Property and Deliverables
- Agree to have any details you give us (including without limitation personal information) shared with project partners, and for Alice Springs Future Grid to undertake due diligence
- State that the information you provide to us is correct and true in every particular and will remain true and correct for the period of the Trial and if there is any material change to your business or it becomes insolvent you will immediately notify us in writing.
- Agree that it is our right to amend from time to time the Terms and Conditions and Schedules and remove a Business from providing services to the Trial at any time in our complete discretion.

Signature of Principal of Business, or Managing Director, or Owner	
Name	
Position	
Date	
On behalf of (Name and ABN of Business)	





Schedule 1: Requirements for the installation of Future Grid Equipment at a Property

The following details will need be verified by the Installer.

VPP Stream	Site Requirements												
All sites	<ul style="list-style-type: none"> • Must have a continuous internet connection through: <ul style="list-style-type: none"> ○ A wireless network (WiFi); or ○ A wired (Ethernet/LAN network); or ○ A 3G or 4G (Mobile data) modem/device • Must have solar, and or battery system, installed in 2016 or after • Inverters, depending on the stream, must be listed on the ASFG Supported Inverter and Meter list • Must have a consumption meter (Future Grid Equipment), from the ASFG Compatible Inverter and Meter list • An updated and valid Connection Agreement • Certificates of compliance, including a Single Line Diagram of the site • Inverter settings confirmed to meet Power and Water requirements • Commissioned Droplet, where required (Future Grid Equipment) 												
Bring your own battery (BYOB)	<ul style="list-style-type: none"> • A solar PV system and inverter. Solar inverter to be rated at least 4.5kVA • Have a compatible battery and inverter, that has an usable energy rating of at least 7kWh. 												
Solar-only	<ul style="list-style-type: none"> • Have a compatible solar PV and inverter • Meet the consumption meter requirements as in Table 1. <p style="text-align: center;"><i>Table 1: Consumption Meters</i></p> <table border="1"> <thead> <tr> <th>#</th> <th>Category (Solar-Only)</th> <th>Mechanism for export control</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Existing systems, installed post 2016 and ≤5kW single phase or ≤ 7kW three phase</td> <td>Consumption meter to be added to site (if not there already), where the solar PV system is within 5m of the switchboard and total cost for Works at the site is less than \$1200</td> </tr> <tr> <td>2</td> <td>Existing system, installed post 2016 and zero export ≤10kVA single phase OR ≤ 30kVA three phase.</td> <td>Existing consumption meter installed on-site</td> </tr> <tr> <td>3</td> <td>New systems – any size</td> <td>Consumption meter installed on-site as part of new installation</td> </tr> </tbody> </table>	#	Category (Solar-Only)	Mechanism for export control	1	Existing systems, installed post 2016 and ≤5kW single phase or ≤ 7kW three phase	Consumption meter to be added to site (if not there already), where the solar PV system is within 5m of the switchboard and total cost for Works at the site is less than \$1200	2	Existing system, installed post 2016 and zero export ≤10kVA single phase OR ≤ 30kVA three phase.	Existing consumption meter installed on-site	3	New systems – any size	Consumption meter installed on-site as part of new installation
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Supersize solar	<ul style="list-style-type: none"> • Have a compatible solar PV and inverter • Meet the consumption meter requirements as in Table 1 • Export limits set at site, for 10kW (single phase) and 15kW (three phase) • Static export limit of minimum 5kW (single phase) or 10 kW (three phase) at all other times. 												



Schedule 2: Deliverables

DELIVERABLE	DETAILS	TIMEFRAME
Apply	<ul style="list-style-type: none"> • Installer to complete application form • Provide evidence of capability to complete work and accreditation, etc. • Agree to Terms and Conditions 	<ul style="list-style-type: none"> • Applications open now
SwitchDin Accreditation	<ul style="list-style-type: none"> • Installers to complete SwitchDin online training: switchdin.com/register-switchDin-academy • Installers confirm training complete to Future Grid 	<ul style="list-style-type: none"> • Completed prior to becoming a Register Installer for Future Grid.
Site visit 1: Site Audit	<ul style="list-style-type: none"> • Organise and complete site audit. • The installer is required to: <ul style="list-style-type: none"> ○ Confirm the details of on-site assets and record in Site Assessment Checklist (Schedule 3). ○ Identify any issues or on-site works that need resolving for the site meet the Site Requirements (Schedule 1). ○ Document site details and works required using the Future Grid checklist (example provided) ○ Complete a Power and Water Connection Agreement ○ Provide quote to participant for required works 	<ul style="list-style-type: none"> • On-site audit to be completed within 7 days of being contacted by participant. • Site assessment checklist and quote to be returned to Future Grid within 1 working day of inspection. • Installer to invoice Future Grid for time taken to complete the audit (up to two hours)
Site visit 2: Site Works	<ul style="list-style-type: none"> • Liaise with participant to organise Site visit 2. • Works completed as identified in the Site Audit, and agreed to by the participant and Future Grid. • Installer to provide evidence that: <ul style="list-style-type: none"> ○ Site settings comply with the Power and Water’s Basic Micro EG Connection Technical Requirements Specification, and the dispensations allowed for this project. ○ Install Future Grid Equipment (SwitchDin Droplet and consumption meter), as required. Ensure equipment is operational ○ Ensure certificates of compliance are completed and associated paperwork completed and submitted to Power and Water, including single line diagrams that include the Droplet (where installed). 	<ul style="list-style-type: none"> • Must be available for on-site assessment within 7 days of being contacted by participant. • All paperwork to be submitted to Power and Water and Future Grid within 2 days of site works visit. • Installer to invoice Future Grid for time taken to complete the audit (up to two hours), and equipment where a consumption meter was required