

Achieving Small Embedded Generation Compliance

Quick reference guide

Achieving DER compliance is a shared responsibility, across the solar industry. To help make it easier to understand your responsibilities as an industry participant, we have developed this guide.



Selling the equipment

Take your time to understand your customer's circumstances

- Plan how the system will be connected to the internet
- Check your customers export options. They may be eligible for a Flexible Exports connection option
- Make sure equipment quoted to your customer meets all current standards and regulations
- Apply for approval in **SmartSA** Applications tab. Ensure correct customer contact information is entered so they receive their copy of the approval.



Preparing to install

Before heading out to site, get prepared for the install:

- Familiarise yourself with equipment installation requirements. Refer to the manufacturer's website or app for up-to-date guides.
- Understand the approved export limit arrangement and have a plan for the installation



When you're on site

To ensure the system is correctly commissioned and compliant:

- Install and configure equipment to comply with SA Power Networks' technical and connection standards
- Use the manufacturer's App or portal to complete equipment registration and settings. Grid-connected inverters must be set to AS/NZS 4777.2:2020 Region: 'Australia A' setting
- Make sure you connect all relevant equipment to the internet. If your customer has opted not to be connected or the system is set up for zero-export, make sure a capable smart-meter is on site for Remote Disconnect regulation



Before you leave

To avoid rework and leave your customer with a compliant system:

- Navigate to Installations tab in **SmartSA** to close-out and validate your customers equipment with SA Power Networks
- Certify your install with a valid NMI on the eCoC
- Leave your customer with suitable troubleshooting tools

We are here to help

Our **New Energy Services Team** has been set up to answer any question and support solar retailers and installers. Email newenergyservices@sapowernetworks.com.au or call **13 12 61** and select option 2.

DER Compliance roles and responsibilities

Set the standards	Industry governing bodies <ul style="list-style-type: none">• Federal Bodies (AEMC, AER) - Establish, maintain and enforce the National Electricity Rules.• Clean Energy Regulator - Administer and manage compliance for the national Renewable Energy Target.• State Government - Set jurisdictional legislation.• State commissions (Essential Services Commissions) - manage and maintain licensing of electricity entities.• Local Regulators - Monitors and regulates safety and technical standards.• Standards Bodies (Standards Australia) - Development and adoption of internationally-aligned standards in consultation with industry and stakeholders.• Peak Industry Bodies (CEC, SEC) - Training and installer certification
Build the equipment	DER equipment manufacturers <ul style="list-style-type: none">• Design and manufacture devices compliant with applicable standards• Provide installation and commissioning instructions and tools• Provide customers with information to understand device operation and control• Maintain and control capabilities i.e. cloud platforms, software, security certificates, and protocols• Maintain statutory warranty obligations
Certification and listing	Test houses and listing authorities <ul style="list-style-type: none">• Test Houses - Certify equipment and capabilities to applicable standards• Listing Authorities - List certified equipment and capabilities• Certification Body - Certify devices to standards
Connection Application	SA Power Networks <ul style="list-style-type: none">• Provide and maintain tools and systems for the application to connect to the grid• Provide customer and industry support for DER application and installation• DER Compliance management of equipment connected to the grid
Installation and commissioning	Solar retailers <ul style="list-style-type: none">• Educate and sell customer equipment in line with needs and current standards• Get appropriate approval through SA Power Networks• Ensure installation is carried out in accordance with all standards, including commission and close out process• Manage non-compliant installations Installers <ul style="list-style-type: none">• Install equipment compliant to electrical and network standards• Commission equipment• Close-out connections process• Safety reporting to relevant authorities
Operation	Technology providers / operators <ul style="list-style-type: none">• Respond to direction by authorised parties, market, and system signals• Maintain system functionality and capabilities• Satisfy reporting obligations
Decommissioning, changing owners, and removal	Customers <ul style="list-style-type: none">• Notify new owners of responsibilities• Appropriately recycle and dispose of equipment by returning to OEM's or recycling authorities