













Checklist – SMA inverters in SAPN using ennexOS

For [AS/NZS4777.2:2020 compliant](#) SMA inverters connected to SunnyPortal.com and with SAPN as the Relevant Agent

<input type="checkbox"/>	1	Inverter(s) commissioned with AS4777.2:2020 Region A country standard. Other standards may apply.
<input type="checkbox"/>	2	Inverter(s) and Data Manager M on the same network with access to the internet (ethernet is recommended)
<input type="checkbox"/>	3	Data Manager M commissioned and all connected inverters are detected
<input type="checkbox"/>	4	<p>In Data Manager M user interface (local WebUI) →  → Grid management service → Active Power: Configuration & activation</p> <ul style="list-style-type: none"> - Step 1: set the total system power in AC Watts - Step 2: select either open-loop (power limited at inverters' terminals) or closed-loop (power limited at the grid connection point). Leave all signal sources unchecked unless required for other reasons. <p>Enable Direct selling interface and SMA SPOT</p> <div data-bbox="485 821 786 982" style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Direct selling interface: <input checked="" type="checkbox"/></p> <p><input type="radio"/> Standard Modbus interface</p> <p><input checked="" type="radio"/> SMA SPOT</p> </div>
<input type="checkbox"/>	5	Register the Data Manager M at https://ennexos.sunnyportal.com PV System name in ennexOS:
<input type="checkbox"/>	6	<p>In ennexOS.SunnyPortal.com →  → User administration</p> <ul style="list-style-type: none"> - Owner of PV system added as a "User" and the "Owner" role is ticked <div data-bbox="396 1192 1263 1339" style="border: 1px solid #ccc; padding: 5px;"> <p>Email* <input type="text"/> Rights* <input type="text" value="User"/></p> <p>First name* <input type="text"/> Last name* <input type="text"/></p> </div> <p>In this system, the user is:</p> <div data-bbox="396 1423 591 1556" style="border: 1px solid #ccc; padding: 5px;"> <p><input checked="" type="checkbox"/>  Owner</p> <p><input type="checkbox"/>  Installer</p> <p><input type="checkbox"/>  Operator</p> </div>
		Owner's Email Address:

<input type="checkbox"/>	7	<p>In ennexOS.SunnyPortal.com →  → User administration aggregator@sma-australia.com.au added with “Administrator” Rights. Role boxes left unticked.</p> <div style="border: 2px solid red; padding: 5px; margin-bottom: 10px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Email* Aggregator@SMA-Australia.com.au</td> <td style="padding: 2px;">Rights* Administrator</td> </tr> </table> </div> <div style="background-color: #e0f2f1; padding: 5px; margin-bottom: 10px;"> ✔ User found </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <tr> <td style="padding: 2px;">First name Aggregator</td> <td style="padding: 2px;">Last name SMA-Australia</td> </tr> </table> <p>In this system, the user is:</p> <p><input type="checkbox"/>  Owner</p> <p><input type="checkbox"/>  Installer</p> <p><input type="checkbox"/>  Operator</p>	Email* Aggregator@SMA-Australia.com.au	Rights* Administrator	First name Aggregator	Last name SMA-Australia
Email* Aggregator@SMA-Australia.com.au	Rights* Administrator					
First name Aggregator	Last name SMA-Australia					
<input type="checkbox"/>	8	<p>In ennexOS.SunnyPortal.com →  → System Properties → System data </p> <p>- NMI number must be exactly 10 digits. If the site’s NMI number is 11 digits, <u>only enter the first 10 digits starting from the left</u></p> <p>National Metering Identifier</p> <p>National Metering Identifier 1</p> <div style="border: 2px solid red; padding: 2px; margin-bottom: 5px;"> <input style="width: 100%;" type="text" value="2xxxxxxxxx"/>  </div> <p>NMI Number:</p>				
<input type="checkbox"/>	9	<p>The installer has explained to the System Owner that they will receive an email from Sunny Portal requesting access on behalf of SAPN for the SA Gov Smarter Homes Program. System Owner understands access must be granted to allow the PV system to be compliant with the Remote Disconnect/Reconnect requirements.</p>				
<input type="checkbox"/>	10	<p>The Installer has explained to the System Owner (i) the “Remote Disconnect and Reconnection” requirement in the Smarter Homes program, (ii) SAPN is nominated as the Relevant Agent and SMA as the Technology Provider, (iii) the System Owner understands their obligations such as maintaining a working internet.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="padding: 5px;">Installer name:</td> <td style="padding: 5px;">System Owner name:</td> </tr> <tr> <td style="padding: 5px;">Signature:</td> <td style="padding: 5px;">Signature:</td> </tr> </table>	Installer name:	System Owner name:	Signature:	Signature:
Installer name:	System Owner name:					
Signature:	Signature:					

Additional resources - SMA

This checklist is designed to assist installers commission inverters correctly for new Smarter Homes requirements in South Australia. Inverters must be commissioned/registered in this manner to be compliant with regulations. This document can be used as a guide and/or a record to be kept with the installer and/or PV system owner. This document does not need to be sent to SMA.

SMA installer info website for South Australia

<https://www.sma-australia.com.au/for-solar-professionals/south-australian-requirements.html>

Additional resources – SA Gov, Smarter Homes

SA Government, Smarter Homes Program Homepage:

https://www.energymining.sa.gov.au/energy_and_technical_regulation/energy_resources_and_supply/regulatory_changes_for_smarter_homes