










# Checklist – SMA inverters in Synergy ESM using Sunny Portal ennexOS

For [AS/NZS4777.2:2020 compliant](#) SMA inverters connected to [ennexos.sunnyportal.com](https://ennexos.sunnyportal.com) and to the Synergy network where Emergency Solar Management is required.

Note: This document is only for registered **exporting systems ≤5kVA** (inverter capacity)

<input type="checkbox"/>	1	Inverter(s) commissioned with AS4777.2:2020 Region B 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 (on-site) →  → <b>Grid management service</b> → <b>Active</b></p> <p><b>Power: Configuration &amp; activation</b></p> <ul style="list-style-type: none"> <li>- Step 1: set the total system power in AC Watts</li> <li>- 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.</li> </ul> <p>Enable <b>Direct selling interface</b> and <b>SMA SPOT</b></p> <p> Direct selling interface: <input checked="" type="checkbox"/></p> <p><input type="radio"/> Standard Modbus interface</p> <p> <b>SMA SPOT</b> <input checked="" type="checkbox"/></p>
<input type="checkbox"/>	5	<p>Register the Data Manager M at <a href="https://ennexos.sunnyportal.com">https://ennexos.sunnyportal.com</a></p> <p>PV System name in ennexOS:</p>
<input type="checkbox"/>	6	<p>In <b>ennexOS.SunnyPortal.com</b> →  → <b>User administration</b></p> <p>- Owner of PV system added as a user and the <b>“Owner”</b> role is ticked</p> <p>E-mail* <input type="text"/> Rights* <input type="text"/></p> <p>First name* <input type="text"/> Last name* <input type="text"/></p> <p>In this system, the user is:</p> <p><input checked="" type="checkbox"/>  <b>Owner</b></p> <p><input type="checkbox"/>  Installer</p> <p><input type="checkbox"/>  Operator</p> <p>Owner's Email Address:</p>
<input type="checkbox"/>	7	<p>In <b>ennexOS.SunnyPortal.com</b> →  → <b>System Properties</b> → <b>System data</b> </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>

		<h3>National Metering Identifier</h3> <p>National Metering Identifier 1</p> <div style="border: 1px solid red; padding: 2px; display: inline-block;">       2xxxxxxxxx <span style="color: red; font-size: 0.8em;">!</span> </div>	
		NMI Number:	
<input type="checkbox"/>	8	The installer has explained to the System Owner that they will receive an email from Sunny Portal requesting access for the new Emergency Solar Management requirements. System Owner understands access must be granted to allow the PV system to be compliant with the Emergency Solar Management requirements.	
<input type="checkbox"/>	9	The Installer has explained to the System Owner (i) the requirements of the <a href="#">Emergency Solar Management</a> program, (ii) SMA is nominated as the Technology Provider, (iii) the System Owner understands their obligations such as maintaining a working internet connection.	
		Installer name:	System Owner name:
		Signature:	Signature:

## **Additional resources - SMA**

This checklist is designed to assist installers commission inverters correctly for new Emergency Solar Management requirements in Western 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.

## **Additional resources – WA Gov, Emergency Solar Management**

**Synergy, Emergency Solar Management Homepage:**

<https://www.synergy.net.au/global/esm-solar-industry>