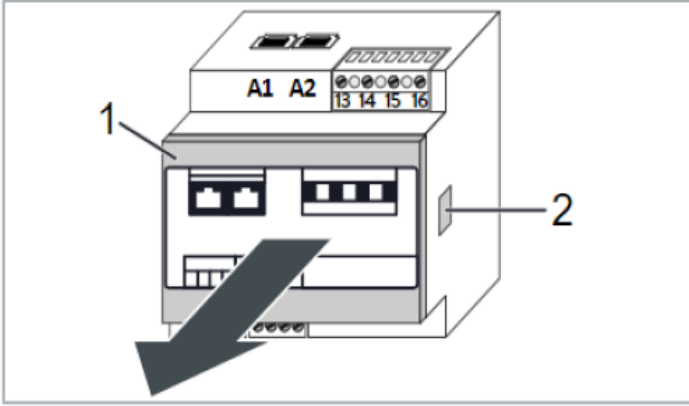
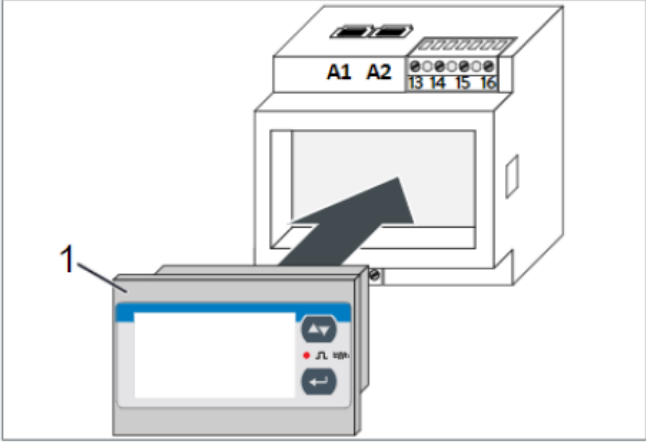


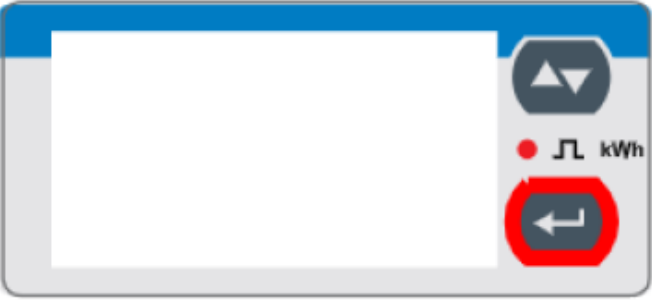










TN035 – sonnenBatterie WM271 Power Meter configuration for 3-phase








The sonnenBatterie Hybrid 9.53 utilizes a sonnen supplied power meter to provide load and generation measurement to autonomously deliver charging and discharging smartly. The WM271 supplied is pre-configured to be installed in a single-phase electrical installation. In a three-phase electrical installation, since the Australian grid allows for net metering calculation users may benefit from capturing the loads and production from all three phases and the WM271 is capable to be reconfigured for three-phase measurement.

This tech note aims to provide the guide to configure the power meter to measure all three phases of the electrical installation. Wiring guide is not provided as this is available in the installation manual, under Electrical Installation, in all sonnenBatterie product.

The detailed steps are provided as below:

	<p>The power meter requires a touch display (purchased separately) to be configured. To install the touch display, remove the front cover (shown as 1) by pressing the clips (2) on both side of the power meter.</p>
	<p>Once the cover is removed, place the touch display (shown as 1) and snap into the front cover position.</p> <p>Power up the meter by switching on the MCB for the power meter (refer to sonnenBatterie installation manual).</p>

	<p>Press and hold  for 3 seconds.</p> <p>The 'PASS?' Screen should appear.</p>
	<p>On the 'PASS?' screen press and hold  for 3 seconds.</p> <p>The 'CnGPASS' screen should appear. This indicates the meter is now in configuration mode.</p>
	<p>On the 'CnGPASS' navigate the configuration options by pressing .</p> <p>Note that pressing  once brings to the correct 'SYS' screen as below.</p>
	<p>Enter setting by pressing  once.</p> <p>This brings to the measuring mode options. The letters 'SYS' should show on the top left of the screen.</p>
	<p>The default measuring mode is '1P 6.1P'.</p> <p>Navigate the options by pressing .</p>

	<p>Pressing  twice will bring to the option of 3-phase measurement.</p> <p>The screen should show '3P 2.3P'</p> <p>Enter the option by pressing and holding  until the letter 'C' disappears.</p>
	<p>After the letter 'C' has disappeared the meter is now configured to measure three-phase.</p> <p>Navigate out of this page by pressing  multiply until the 'END' screen appears.</p>
	<p>Exit the configuration mode by pressing the  button once.</p> <p>Congratulations! You have successfully configured the sonnen power meter to capture three-phase readings.</p>

The steps can be reversed in the same way to revert to single-phase measurement.

If you have any further questions or require support or assistance, please contact us at service@sonnen.com.au.

Yours faithfully,

Aylmer Ambu
 Technical Sales Engineer Australia & New Zealand