

Technical Bulletin TBZA150515-01

Date of issue: 15th May 2015

To: Grid Connect Installers, PV Service Personal, Electrical Maintenance Staff, Energy Inspectors and Engineering staff.

Subject: This Bulletin has been drafted in order to set out a procedure for altering the nominated Grid operating Voltage from 269V to 255Vac on single phase Zegersolar inverters. In order to fulfil this requirement strict safety measures and protocols must be adhered to. Please note Zegersolar Inverters are set to the AS4777 standard as a default.

Authority: This requirement has been mandated by Australia Zegersolar New Energy.



IMPORTANT NOTE - before proceeding to the next step 'turn OFF the AC ISOLATOR' so the inverter has no connection to the Grid! A red warning light will appear in the screen.

The following single phase Zegersolar inverters are affected by this bulletin:

<u>TL 1500-20</u>	<u>TL 2000-20</u>	<u>TL 3000-20</u>
<u>TL3680-10</u>	<u>TL 5000-10</u>	

Procedure to alter the Vac Voltage setting 255/269V:

Adjustment of Vac max values on single phase (1 ϕ) inverters can be accomplished via the inverters front panel display as per the following instructions. No special hardware or software is required to achieve this.

- 1) Firstly insure the inverter display is showing a **RED** led indicator which depicts error code 'GRID missing' failure. This is required for the adjustment!
- 2) Insure the correct safety standard is pre-loaded inside the inverter. Do this by depressing the menu key and scrolling through the display until you reach the model number.



When you have reached the 'model number', keep the key depressed for a period of 6-10 seconds.

Ensure the inverter displays Safety code AS4777. If it doesn't, keep pressing the menu key until it does and then stop. Remove your finger from the menu key and allow the menu to return to normal display.



- 3) After the inverter has returned to normal display depress the menu button and select E-Today. This time hold the key down for a period of 20 seconds.



Depress and hold for 20 seconds while E-Today is showing

The following display will appear:

'SpecStandard : ON or OFF', refer to Fig.1 & Fig.2

Please Note:

SpecStandard: ON refers to AU AS 4777 255V set

SpecStandard: OFF refers to AU AS 4777 269V set

While on this display, depress the menu button to switch between 'SpecStandard:ON' and 'SpecStandard: OFF'. This will alternate the Vac voltage setting between Ergon's 255Vac and AU AS 4777 269Vac.



Fig 1



Fig 2

- 4) Once the correct setting has been selected allow the inverter display to time out and return to normal operation. Now re-energise the **AC circuit breaker** (switch on). The inverter will count down and commence functioning correctly. ***The process is now complete.***