



PV Industry Alert

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Maximum voltage trip point settings

The new AS 4777.2–2015, was released on 9 October 2015, replacing the existing AS 4777.2–2005 and AS 4777.3–2005, with a 12-month transitional period applying, during which either version of the Standard can be used. One change introduced is new overvoltage (V_{max}) settings. Accordingly, we've modified the Embedded Generating Unit Installer's Confirmations on page two of our Form A to reflect both options, so please ensure you complete this section. The options available are:

Single-Stage V_{max} (AS 4777.2–2005)	Two-Stage V_{max} (AS 4777.2–2015)
V_{max} set to 255V (2 seconds)	$V_{nom-max}$ set to trip at 255V (10-minute averaging) Overvoltage 1 set to trip at 260V (2 seconds) Overvoltage 2 set to trip at 265V (0.2 seconds)

We attempt to check maximum voltage trip point settings on new installations, as well as those we investigate for supply quality issues. In order for us to confirm the installation operates correctly, we need to know which voltage setting methodology is in use. If we don't have this information on the Form A, we will issue a Form B to obtain the relevant trip point settings information.

This requirement is also reflected in the current version of the joint Ergon Energy/Energex Connection Standard for Small Scale Parallel Inverter Energy Systems (Connection Standard).

A prompt response to options and offers is essential

If you have received an "options letter" from Ergon Energy after having submitted your connection application, we request that you respond in a timely manner with advice on the option that best suits your customer's needs. This will ensure that we can make a subsequent connection offer within the required timeframe, which you will have 20 business days to accept.

If you have any questions upon receipt of the options letter please call the Solar Support Team to discuss any concerns you or your customer may have.

Ensuring Reactive Power Control (RPC) is set

As a reminder, from 30 September 2015, all applications for inverters rated above 2kVA that are proposed to be connected to our main grid (including the Mt Isa-Cloncurry network, but not SWER or isolated networks) must include RPC fixed at a minimum 0.9 lagging. If we find that the inverter doesn't have this RPC setting, then we will consider enforcement options open to us under the ongoing connection contract.

Review of Connection Standard up to 30kVA

We will be releasing an updated draft Standard in December for further industry consultation. Thank you to all those who have made submissions to the Review so far.