



FIMER update on AS/NZS 4777.2:2020 and AS 60947-3

30/11/2021

AS/NZS 4777.2:2020 Update – Australia & New Zealand

The following FIMER current string inverter models will meet the new AS 4777.2:2020 standards. However, at this stage, exact timing of relisting is dependent on the Clean Energy Council processing times. The list below notes approximate anticipated re-listing dates.

- UNO-DM-PLUS-Q (Listing anticipated in January 2022)
- PVS-10/15 (Listing anticipated in January 2022)
- PVS-20/33 (Listing anticipated in January 2022)
- PVS-50/60 (Listing anticipated in February 2022)
- PVS-100/120 (Listing anticipated in February 2022)
- PVS-175 (Listing anticipated in February 2022)

For any Australian customers, who have stock of these inverters, all you need for these to be compliant with the updated standard is a firmware update at the time of installation. FIMER will be releasing an application note on how to do this and you can call our technical support team on 1800 769 663.

For New Zealand customers, it is not clear when AS 4777.2:2020 will come into effect, so for the time being, FIMER is not aware of any requirements to show compliance to this new standard. Therefore, all current FIMER products, including the REACT 2, can continue to be used.

The REACT 2 will not be relisted against the new standard

FIMER has decided not to relist the REACT 2 hybrid inverter under the AS 4777.2:2020 standard at this time, due to our new PowerX battery solution coming out in mid-2022.

For any Australian customers who have stock of REACT 2 hybrid inverters or batteries, that won't be commissioned by the 18 December 2021, please contact your FIMER sales representative to discuss options. Please note, you can still add battery modules to an existing REACT 2 system up to 12 kWh.

In-Built DC Isolator (AS 60947-3) Update – Australia Only

On 22 November 2021, a committee of electrical safety regulators known as the Electrical Equipment Safety System Standing Committee of Officials Equipment Working Group (EESS SCO EWG) published two bulletins which outlined requirements for the certification of DC isolators for use in solar PV installations and a new process for testing facilities to be considered an “approved testing entity”.

Imminent decisions by electrical safety regulators will determine whether these changes to DC isolator certification requirements derail the introduction of the new AS 4777.2:2020 inverter standard. **The DC Isolator that FIMER uses within its inverters is compliant under AS 60947-3, however, FIMER will need to undertake additional tests to ensure the DC Isolator remains compliant when installed within the inverter enclosure.**

Unfortunately, there is currently no testing facility in the world that is approved to test to AS 60947-3. The EESS SCO EWG has outlined how it intends to approve facilities for testing to AS 60947-3, but this could mean product approvals would be delayed by months.

The Clean Energy Council is calling on the EESS SCO EWG to allow certificates obtained prior to the administrative changes to DC isolator certification to be used for compliance with AS 4777.2:2020. If new certificates are needed, it will be almost impossible for any manufacturers to get their inverters with integrated DC isolators recertified in time to meet the 18 December 2021 commencement date for AS 4777.2:2020.

This is a decision that can only be made by the electrical safety regulators. Neither the Clean Energy Council nor the distribution networks have the authority to overlook the safety regulators’ requirements and change the 18 December 2021 commencement date for AS 4777.2:2020.

For New Zealand customers, it is not clear if this compliance will be required in the New Zealand market.

Regards,



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