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To: M Stemmet

:To whom it may concern

MICRO CARE INVERTER SPECIFICATIONS

The NRS 097 series specifies the requirements for the Embedded generation.

Please see definition Ref NRS 097-2-1:2017

“embedded generator, EG: one or more energy generation sources that includes the energy conversion device (devices), the static power converter (converters), if applicable, and the control and protection gear within a customer’s network that operate in synchronism with the utility’s supply.”

In such a case, the safety features, ie the frequency, voltage and phase must follow the parameters of the grid. Further there is a need for an anti-islanding protection as well. This is all captured in the NRS 097 series.

Comments:

There is a clear distinction between embedded generation where the generation output of the inverter is in synchronism with the grid frequency, phase and voltage, and inverters where the output is not connected to the grid.

The inverters manufactured by Micro Care models as detailed below cannot synchronise with the grid and was not designed to do so. Their outputs cannot be connected to the grid, as it would fail on such attempt.

The outputs (grid 230V) of Micro Care inverters must be connected to a stand- alone loads.

And such these inverters cannot be used as embedded generation, as per the definition,
and they therefore cannot and need not comply to NRS 097.

Micro Care with manufacturing numbers starting with 112 up to 1548

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Government Certificate of Competency
Certified Energy Manager by the AEE