

## APsystems 6mA Declaration

Per the regulation NEN 1010:2015, 712.530.3.4 Devices for earth leakage protection, it is mandatory for a PV solar system that where a residual current device is used for the protection of the PV-AC supply chain, this device for earth leakage protection must be of type B according to NEN-EN-IEC 62423, unless:

- the inverter provides at least a single separation between the AC side and the DC side,
- the installation provides at least a single separation between the inverter and the earth leakage protection device by means of separate windings of a transformer or
- according to a manufacturer's declaration, the inverter does not need a type B residual-current device.

The APsystems Microinverters to which this declaration applies use a triple insulated High Frequency (HF) isolation transformer between the AC and DC circuits. This HF transformer effectively provides galvanic isolation between the DC stored energy and the AC output stage. The internal HF transformer inherently eliminates leakage current.

APsystems microinverters are designed, and type tested, to ensure leakage current and DC Current Injection (DCI) is never an issue.



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