



Figure 19.51 Two independent grid-supervision units for safety against islanding (DIN VDE 0126)

zero, can be used in Germany. In case of a single-phase grid, as is the case in many rural areas of the world, this method cannot be applied, however.

There is a limitation to be expected, if a big number of inverters are monitoring the grid in this way. In this case, interference between the different inverters may lead to unspecific interpretation of the grid's response. It might become necessary therefore to equip all inverters with communication capabilities. This feature would allow switching off all relevant inverters by the grid operator if needed. As a further benefit, power-quality improvements controlled by the grid operator will become feasible as well.

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