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Efficiency of photo-voltaic inverters increases with nanocrystalline EMC filter chokes

It is one of the most up-to-date topics within the solar voltaic Industry to further increase the efficiency of that complex process of energy conversion. Every single tenth of a percent is welcome – although more than 90 % are already state-of-the art for modern DC/AC converters.

Following this target, more and more producers of inverters are currently replacing standard components by high tech solutions providing the best possible electrical efficiency. One of those examples are the chokes in the EMI filters.

Nanocrystalline cores offer a permeability being five times higher than ferrites which results in significantly smaller build volume and – as a consequence – the copper resistance is reduced significantly, too – typically by about 50%!

Further Informations:

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