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TECHNICAL REGULATION OF VOLTAGE QUALITY IN ELECTRICAL GRIDS WITH SOURCES OF DISTRIBUTED GENERATION

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Authors
A.F.Zharkin, V.O.Novsky, S.O. Palachov
Institute of Electrodynamics National Academy of Science of Ukraine,
Pr. Peremogy, 56, Kyiv-57, 03680, Ukraine,
e-mail: zhark@ied.org.ua

Abstract

The object of analysis is current state of Ukrainian and international regulations concerning voltage quality in power grids with distributed generation. The analysis of European experience suggests measures that will contribute to broad implementation in Ukraine of renewable energy electric generators without compromising the voltage quality in power grids. References 3.

Key words: voltage quality, sources of distributed generation, harmonized standards.

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References

1. Zharkin A.F., Novsky V.O., Palachov S.O. Laws and regulations related to quality of electric energy. Analysis of the Ukrainian and European legislation and regulatory documents. Kyiv: Institut Elektrodynamiky Natsionalnoi Akademii Nauk Ukrainy, 2010. 167 p. (Rus)
2. Zaychenko V.B., Olefir D.O., Tikhenko V.I. Providing reliable operation of UES of Ukraine in conditions of substantial increasing the share of wind and solar electric power stations. *Elektrop anorama*
. 2012. No 12. P. 40-44. (Ukr)
3. Kyrylenko O.V., Pavlovskyi V.V., Lukianenko L.M. Technical aspects of adoption of distributed generation sources in electric mains.
Tekhnichna Elektrodynamika
. 2011. No 1. P.46-53. (Ukr)

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