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THE PROBLEM OF ELECTRIC POWER STORAGES' PLACEMENT IN THE IPS OF UKRAINE TAKING INTO ACCOUNT ITS INFLUENCE ON THE POWER FLOWS TRANSMITTED BY CONTROLLED CUTSETS

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Authors

O.F. Butkevych[1,2]*, N.T. Yunieieva[1], T.M. Hurieieva[1], P.I. Stetsyuk[3]**

[1]- Institute of Electrodynamics National Academy of Science of Ukraine,
Peremohy ave., 56, Kyiv, 03057, Ukraine,
e-mail: butkevych@ied.org.ua

[2]- National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute",
pr. Peremohy, 37, Kyiv, 03056, Ukraine

[3]- Glushkov Institute of Cybernetics of the National Academy of Sciences of Ukraine,
Glushkov avenue, 40, Kyiv, 03187

* ORCID ID : https://orcid.org/0000-0002-6613-0911

** ORCID ID : https://orcid.org/0000-0003-4036-2543

Abstract

It is shown that when creating of electric energy storage system (EESS) in the Interconnected Power System (IPS) of Ukraine it is advisable to take into account the influence of the distribution (considering both location and power) of EESS batteries on the flows of active power transmitted by "problematic" controlled cutsets of the IPS of Ukraine. The method for solving the EESS distribution's problem taking into account the specified influence is proposed. References 3, table 1.

Key words: interconnected power system, renewable energy sources, electric energy storages' placement.

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