



General power engineering. O.F. Butkevych, O.V. Kyrylenko, O.V. Lenga, L.M. Lukianenko, V.V. Pavlovskiy, A.O. Steliuk, V.V. Chyzhevskii. "**Ensuring sustainability of electric power systems and their interconnections**" Under the general editorship of O.V. Kyrylenko, Academician of the NAS of Ukraine / Institute of electrodynamics of the NAS of Ukraine. – K.: Institute of electrodynamics of the NAS of Ukraine, 2018. – 320 p. Circulation – 300 copies.

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The monograph addresses the issues of ensuring the sustainability of electric power systems and their interconnections. New methods for determining the limiting regimes are provided, assuming the steady-state stability of electric power systems is ensured. The key issues of low-frequency oscillations' onset are analyzed. The monograph presents the research results of a dynamic stability of parallel operation of power plants, which operate on renewable energy sources, with electric power system. Also, the

monograph addresses the issues of stability by frequency in case of the occurrence of systemic accidents accompanied by a significant decrease in frequency.

The monograph is intended for professionals engaged in the researches in the field of sustainability of electric power systems, as well as for graduate students and students of electrical engineering specialties.