

Andreev R. V.

Algorithm for selecting of equipment of the stand-alone electrical complex on the base of small wind turbine.

An algorithm for selecting of equipment of the stand-alone electrical complex on the base of small wind turbine is proposed. On the example of a small group of consumers in the decentralized power supply zone characteristics of stand-alone electrical complex using databases of weather observations and real technical parameters of electrical equipment are proved. Basis for selection is results of economic efficiency evaluation of use of complex.

Key words: stand-alone electrical complex, wind turbine, equipment selection, economic efficiency evaluation.

Andreev Roman Vitalyevich, Engineer of Department Design and Development of Energy Systems of the Scientific and Technical Center of Unified Power System (STC UPS).

E-mail: andreev_r@ntcees.ru