

The invention relates to the field of electric power engineering and can be used to supply consumers with electric energy using renewable energy sources, for example, wind energy.

The system, according to the invention, consists of micronetworks, interconnected by power lines, each of which is made of a medium-power wind power plant (11) and a high-power wind power plant (12), coupled with a control unit (13), connected to an information transmission channel (13-1) and to an energy distribution unit (14). The system also comprises an electric power plant (15) with power lines (15-1) and an energy storage unit (16), coupled with the energy distribution unit (14), connected to consumers (17). At the same time, the energy distribution unit (14) is made in the form of electric energy converters from the wind power plants (11 and 12).

Claims: 1

Fig.: 7

