

The invention relates to renewable energy conversion systems, in particular to wind energy conversion devices.

The wind energy conversion plant comprises a tower (1), in which at different heights $H_1=f(V_{nom})$ and, respectively, $H_2=f(V_{nom})$ are coaxially installed wind rotors (2) and (5) with opposite direction of rotation, the shafts of which are connected to the cylindrical parts of the rotor of an electric generator with permanent magnets (8). On the upper end of the tower (1) at the height $H_3=f(V_{nom})$ are vertically installed Savonius-type (13) and Darrieus-type (15) rotors, which are connected to the rotors of an electric generator with permanent magnets (17).

Claims: 1

Fig.: 5

