

A rotary sail-driven wind power plant includes kinematically connected to each other a device for conversion of wind energy to mechanical energy, a power takeoff shaft, units that consume mechanical energy and brake device of the plant. It has own power shaft equipped with brake device of the unit, free-wheel clutch and kinematically connected to the power takeoff shaft by means of multiplier. The plant consists of rotor as rigid spatial streamlined structure that can rotate with respect to vertical axis, bevel gear, horizontal guys, four rigid streamlined columns with protection against storm. The rotor carries blades equipped with sheets made of elastic material that can fold. The power takeoff shaft has flywheel that stabilizes frequency of rotation and controller of frequency of rotation. At that it interacts with units (main and additional ones) that consume mechanical energy and brake unit of the plant, rotor has near each blade servicing platforms for operator and passage roads between those, and each blade has hoist.