

Power generating plant comprises electric motor connected by an input to an output of a capacity for storage and accumulation of electrical energy, and by an output - to a flywheel, which is connected to an input shaft of a motor-generator. Wherein it additionally comprises a plant start/stop system connected to the capacity for storage and accumulation of electrical energy, which is configured as a battery and connected by an output through an inverter to the input of the electric motor. It comprises an electrical energy management and distribution module connected to the output of the motor-generator and configured to automatically switch a connection of the input of the electric motor with the output of the battery to a connection of the input of the electric motor with an output of the electrical energy management and distribution module, and also configured to be connected by an output to an electrical energy consumption object.