

Energy-efficient house with a solar hot water system contains heat-insulating external panels and an air solar collector mounted on the southern wall of the building on top of the heat-insulating panels. Wherein, the solar hot water system is equipped with a circulation pump and a water storage tank with an electric heater built into it, as well as a heat and power generator connected to the internal electrical network of the house with an automatic on-off unit for the electric water heater in the storage tank. Photovoltaic panels connected to an inverter and an electric storage tank are installed on the southern wall or roof of the house. The storage tank body and the walls and floors of the building's bathrooms are covered with heat-accumulating tiles made of thermal inertial material.