

[Fronius International GmbH](#), based in Pettenbach, is a family-run company in its 3rd generation and was founded in 1945. Fronius converts electrical energy using power electronics and is recognized as a technology leader in the 3 Business Units: Perfect Charging, Perfect Welding and Solar Energy. In the Business Unit Solar Energy, founded 1992, high-quality solar inverters, AC charging solutions and energy solutions are developed and manufactured in-house for the autonomous supply of electrical energy to end customers. The corporate vision of “24 hours of sun” is a future in which 100 percent of the world's energy needs are covered by renewable sources. To fulfill this target Fronius offers solutions for the private, commercial and agricultural sectors.

In the project BATTERY2LIFE Fronius will integrate and test the BATTERY2LIFE prototype in their home system testbed with AC power up to 10kW. The aim will be to assess the efficiency and operation of the whole system using 2nd life batteries compared to 1st life batteries. The efficiency guideline for PV storage systems will be the basis of the performed tests. The tests will be done using data from the Performance Simulation Model for PV-Battery Systems by HTW Berlin, specifically the 10 kW Use Case.

