



Enhance your power with Ferroamp and Nilar

Integrate photovoltaic panels, energy storage and vehicle charging





Intelligent energy management unifying solar panels, electric vehicles and energy storage

The need

When trying to meet the needs of prospective customers, Nilar found it requires a strong working relationship with energy management system (EMS) providers. There needs to be comprehensive discussions of communication protocols and operational strategy to ensure the EMS is utilizing the storage system appropriately. Nilar began working with Ferroamp to create a comprehensive energy management system (EMS). It was designed for smart storage and distribution of solar energy. Now the partnership has evolved into a total solution that integrates energy storage with the EMS. This cooperation makes it easier for the customer to obtain a complete solution that is easy to install and operate smoothly.

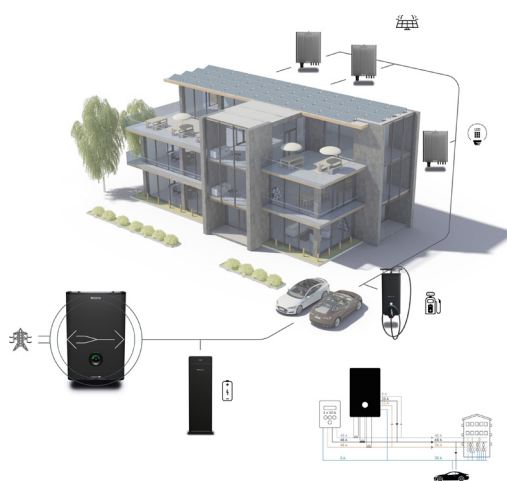
The solution

The Ferroamp EnergyHub is where energy storage, solar production and vehicle chargers can be connected to optimize the use of renewable, locally produced energy. Within the integrated system, the Nilar Hydride® batteries can be charged directly with solar power or with electricity from the AC grid. The intelligent EnergyHub system gathers information from all the connected components and then uses advanced algorithms to optimize the energy flow between solar panels, energy storage, electric vehicle charging, and the electricity grid. Pairing the award winning Ferroamp system and the Nilar Hydride® battery technology leads to renewable energy storage solutions that are now more powerful than ever.



I believe that Nilar's unique safety benefits together with Ferroamp's dynamic control with a modular and scalable design is an unbeatable combination.

- Mats Karlström
VP Sales & Marketing, Ferroamp



About Nilar

Nilar is the leading manufacturer of advanced Hydride® batteries (NiMH) for energy storage. Our modular, low lifetime cost solutions offer unique safety benefits and are environmentally-friendly, making them ideal for use in private households, commercial properties and industrial plants. With production based on 100 percent renewable energy at the manufacturing plant in Sweden, Nilar is revolutionizing energy and power supply technology, and is taking automated battery production to the next level.

Read more at: www.nilar.com

About Ferroamp

Swedish Ferroamp Elektronik AB, founded in 2010, is a fast-growing company within cleantech that offers advanced energy and power optimization solutions for homes, real estate and industry. The brain of the system – the EnergyHub – collects data from the other components to optimize the energy flow between solar panels, energy storage and the utility grid, using advanced algorithms.

Read more at: www.ferroamp.com



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