

Leading-edge technology

The Fronius International GmbH is one of the leading companies in the PV sector by now. It will continue to increase its market share with steady expansion of the product range and constant internationalization.



Fronius International GmbH has been researching new technologies for converting electrical energy since 1945. That is more than six decades of experience, progress and constant innovation. Along with the Solar Electronics Division, the company, which is headquartered in Austria, is also world-renowned for its battery charging systems and welding technology. Outstanding products and services make Fronius the technology leader in the world market.

The use of renewable energy and resource conservation is a fixed part of the Fronius company culture. An impressive example of this can be seen at the Sattledt production and logistics facility in Upper Austria: power is supplied via a 615 kWp photovoltaic system and heat is provided via its own biomass heating system.

The Solar Electronics Division was started in 1992 and markets its products via a global network of sales partners. It develops and manufactures high-performance inverters for grid-connected solar power systems of all sizes. In addition, this product range is complemented by a comprehensive range of components for professional system monitoring and for data display and analysis. They are available as individual solutions or as a total package.

Fronius continues to set new standards worldwide with new technologies and creative ideas. This is only reinforced by the latest product group, the "Fronius IG TL": with this product, Fronius is launching its first transformerless inverter and, at the same time, the most lasting device of its kind providing maximum earnings reliability. It is the only inverter that can use a commercially available USB stick to implement both system monitoring and inverter software updates.



The innovative power of Fronius is also reflected in the MIX™ concept, which collects the maximum amount of energy from the sun and secures earnings, even with low irradiance. The MIX™ concept turns on only as many power stages as are needed thus allowing higher efficiency at partial load and also reducing wear & tear on components. The latest production and testing processes ensure the highest quality for Fronius products before they are shipped internationally.

Fronius places great emphasis on user-friendliness and outstanding customer service. The modular design of the "Fronius IG Plus" and "Fronius IG TL" series greatly simplifies equipment installation. All components for system monitoring have a plug & play design, making upgrades easy and providing maximum flexibility. Fronius was awarded the prominent "Frost & Sullivan Best Practices Award" in 2008 for the development of the Fronius IG Plus inverter series as well as for its first class technical support.

In 2008 2,500 people were working for Fronius International GmbH, 480 of them in the Solar Electronics Division. The Solar Division even reckons with 580 employees in 2009. Milestone of the business development was the year 2004. At that time, Fronius Solar Electronics tripled its production capacity from 70 MW to 200 MW. In 2008 the total production capacity was 650 MW; it is expected to reach 900 MW in 2009.

The Solar Electronics Division has subsidiaries in various countries such as in the USA, in Italy, France, Spain or in the Czech Republic. Fronius will continue to increase its market share with steady expansion of the product range and constant internationalization.

3,600 m² solar module area on the facility in Sattledt

Photos: Fronius



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