

# Bullet Points

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A total of 2.2 GW of solar inverters installed worldwide places Santerno among the major players in the entire PV sector.

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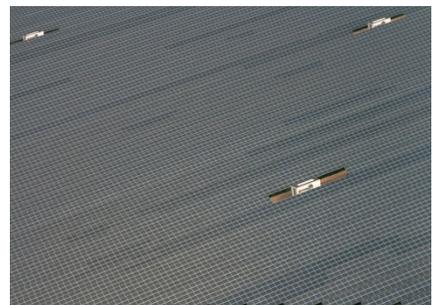
Founded in 1970, Santerno has been producing solar inverters since 1985. In 1994, Santerno solar inverters were installed in Serre (near Salerno) in a 3MWp plant. This plant was the biggest plant worldwide till 1998.

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According to a survey from Sunpower concerning all their PV plants installed worldwide, the average uptime of Santerno solar inverters is 99.7%, exceeding SMA inverters uptime.

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31st August 2011 (Ravenna) the biggest project worldwide (124 MWp) was connected to the national grid. The solar inverters were provided by Santerno.



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N. 5 PV plants being installed for overall 60 MWp. The project deals with covering the car parking shelters in 5 production plants for Renault, France (Flins, Sandouville, Douai, Maubeuge and Batilly). Santerno will supply N.84 Sunway TG730 inverters. This is the greatest photovoltaic project in the world developed along with an automotive company.

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India One of the greatest photovoltaic plants ever is being installed, amounting to 20MW. Solar Semiconductor Pvt. Ltd., the owner of the plant, is the greatest Indian manufacturer of PV cells and PV modules.

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Russia (Belgorod) Santerno was involved in the major PV plant (200kWp) currently operating in Russia.



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21st June 2011 (Almisano) connection to the national grid of the first photovoltaic plant stabilized with green batteries. It is an **Island of Energy**, including energy storage, which marks a leap forward in the technological development of Smart Grids, where Santerno leads the field. This is one of the first plants worldwide for energy accumulation featuring Fiamm SoNick salt batteries. The plant is hooked up to the mains of the production plant and to the national grid. It has a peak power of 181 kW, produces 200,000 kW/year and has a storage capacity of 230 kWh. Fiamm Green Energy Island stands on 5.500 square metres with 1.150 m occupied by solar panels. For this grid-connected project Santerno provided Sunway TG line inverters.



FIAMM also offers a pre-assembled system housed in a container and fitted with an inverter system, which is capable of producing power from photovoltaic panels and from a telescopic windmill. The system is combined with a storage battery accumulating some of the energy produced to be used under poor sun or wind conditions. For this green solution Santerno provided single-phase solar inverters of the Sunway M Plus line as well as Etesian Mini wind inverters.



China (Golmud) in 2010, connection to the national grid of a 10MWp plant on the boundary with Tibet, 3800 metres asl, maybe the highest solar-park in the world. Guondiang, the owner of the plant, is one of the major electric companies in China. Santerno provided N.18 Sunway TG 730 + N. 2 Sunway TG 750 inverters. Santerno has already sold in China 60 MWp plants; at least 35 of them are currently connected to the national grid.

