

Case Study: IL GUFO

Jinko Solar Smart Modules

Location:	Asolo, Italy
System output:	174 kWp
Modules:	Jinko Solar 260W Smart Modules
Inverter:	SMA
Installer:	ELETTROPROJECT s.r.l.
Designer:	Siarte – Technical Design Studio

Summary

The SIARTE technical design studio was contacted to design a grid parity PV system with a power output of 200 kWp to be installed on a small industrial shed.

There were a few problems to solve on site; the roof where the system was to be installed was long and narrow with its sides facing east and west, with some fairly large elements that threw their shadows over areas of the roof.

There was also the need to observe Fire Brigade requirements as the work done inside the shed is subject to fire-prevention regulations.

Using the Jinko Solar Smart Module with built-in Tigo optimizer, it was possible to obtain the power output required by the customer at a reasonable price.

Furthermore, the Tigo PV Safe function disconnects each system module in an emergency, an essential feature for an installation subject to fire-prevention regulations as in this case.

Customer Experience

“Considering the problems involved in designing the system, I included the Jinko Smart modules in the design due to their numerous advantages.

First and foremost, you can design the system with many more modules connected in series than with traditional solutions, so the inverter cut-in voltage is reached earlier in the morning and the cut-off voltage later in the evening, and the system produces energy for longer during the day.

The minimum extra cost compared to a passive solution was easily covered by the increase in production, and a reduction in installation and maintenance costs was obtained by using a module-level monitoring system.

The customer, Cautha Srl, and their end client Il Gufo Spa, accepted my somewhat unusual proposal, convinced by the business plan and the numerous advantages offered by this innovative solution.

The result is extraordinary, beyond expectations I have to say.”

- Alessio Del Ben, Siarte Studio

