

# SIRERA FAMILY HOME

La Motte de Galaure – Isère, France



INSTALLATION	
Customer	Wirsol
Project	Sirera Family Home
Location	La Motte de Galaure Isère, France
Size	3 kWp
Module Type	Yingli Solar PANDA YL 250C-30b
Connected	14 March 2012
Owner	Sirera Family
Electricity distributor	EDF
TECHNICAL SPECIFICATIONS	
Rated System Power	3 kWp
Number of Modules	12 monocrystalline Yingli Solar PANDA
Inverters	PowerOne PVI 3.0 OUTD
Mounting System	Mecosun MKR
Annual Energy Efficiency	3,577 kWh per year
Feed-in Tariff / kWh	48 Euro cents
Reinjected Current Remuneration	Around 3,936€ per year
CO <sub>2</sub> -savings p.a. approx.*	Around 4,900 kg

\*Source: ADEME calculations for France CO<sub>2</sub> equivalent (avoided production of 597.7g of CO<sub>2</sub> per kWh), based on 2005 GEMIS data (Global Emission Model for Integrated Systems).

## MANAGING ONE'S OWN ENERGY MIX

Energy mix is the family's credo. First powered by fuel oil, grid electricity and using a fireplace for heating, the Sirera family decided to revise their energy mix. For heating, they invested in a heat pump. For their power supply, they wanted to produce their own electricity and going solar was an evidence. They gathered information from neighbours, friends and on the Internet. Then they asked an installer to evaluate whether their roof was fit for a solar system (orientation, shading, etc.), what system size was optimal with respect to their needs, how much electricity they could produce annually and what would be the overall project profitability. They soon learned that they met all necessary requirements to go solar and installed a 3 kWp system on their roof using 12 high-efficiency monocrystalline Yingli Solar PANDA panels. A year later, everything's for the best, and the monitoring system even shows that performances are 10% higher than forecasted!



*We're already considering installing another system!*

*“ We had been thinking about solar for a long time. When we began preparing the project, we had many questions. And we also discovered that there were many other important questions that we had not asked ourselves. That's why it's essential to work with a reliable professional to best prepare one's project. Today we're proud to be able to produce our own electricity, and we're already considering installing another system on our garage roof! ”*

– Mr and Mrs SIRERA




## DETAILS ABOUT THE SYSTEM

- The system will provide 100% carbon-free and renewable energy for a minimum of 25 years.
- The system even overperforms, offering 10% more power over the first year.
- Solar Energy is totally online with the family's commitment to environment, and also meets both fuel savings and cost reduction targets.
- Solar is the cornerstone of the new sustainable house energy mix. Alongside a wood-burning fireplace and a heat pump, it even sometimes allows complete offsetting of the fuel oil boiler.
- The Sirera family is already considering installing more solar capacity, on their garage roof.

### INITIAL MONITORING DATA:

### OVERPERFORMANCE AND BENEFITS FOR THE FIRST YEAR OF PRODUCTION

**+10%**   
of energy produced compared to initial forecast

**322**   
kg of CO<sub>2</sub> eq. saved in one year

**90**   
equivalent number of trees planted