

Advantages for those who choose *green lifestyle*, for support the environment, and in the meantime adorn the landscape:

- Owing a **Statuary Work** benefiting from **tax deductions** to obtain **clean energy**.
- The works created in **Resin** or **Bronze**, will be studied and customized by the artist and by the technicians together with the **Customer**, *to satisfy all needs and Brands*.
- Through the particular form of full and empty spaces of the Spiral Statues, it is possible to hide the unsightly aspect of the **Aeolian Islands**.
- Get the energy you need at any time, taking advantage of both the heat of the **sun** and the movement of the **wind**.
- If the size of the work with the base exceeds a certain height, the base leaves the space for the storage of **energy accumulators and tools**.
- **Own a work of Art forever!** With time, you can decide to remove the panels without any damage to the Statue.

Spiral Sculptures covered with photovoltaic cells

The **structure of the Sculpture** wrapped in photovoltaic cells, according to personal needs and space, it can be created **small, medium or large**. To capture energy, a lot is played on the panels located in the base. With a **special treatment**, they can be **walked on**.

Example of the status's energy production with photovoltaic:

- Height of the Statue 1 mt.

Trapezoidal base:

- Ground base 100 cm
- Support base Statue 62.5 cm.
- Height 60 cm.
- Surface occupied by photovoltaic cells ca. 2.5 square meters
- Land occupied around the base ca. 3 square meters
- Power produced ca. 600 W.

The Sun: inexhaustible source of renewable energy

Solar energy is so precious for our future, because it is one of the sources of energy that is not destined to run out over time.

It has the following characteristics:

- It is **unlimited** because it regenerates;
- Doesn't pollute because there's **0 Co2 emissions**;
- **Accessible** to all.

Photovoltaic panels

A panel is formed by a set of photovoltaic modules which in turn consist of photovoltaic cells, capable of converting solar energy into electricity.

Height x Width:	1663mm.x998mm.	1046mm.x1559mm.
Thickness:	38mm.	46mm.
Peak power:	250 W	360 W
Mq / model installed:	1,76	1,73

We also use the movement of the Wind!

The spaces between the full and empty of the Spiral Statue can also host a **Vertical Wind Turbine**, or you can place it outside; playing with creativity, the artist can make her graceful. The energy received by the Turbine is produced both at night and in winter, and is activated even with winds at reduced speeds.

Domestic micro-wind Turbine systems

Depending on their size and power, they can generate more or less watts to **increase the storage of electricity**. They are made with different systems. In general, two different systems can be used: domestic Turbine with vertical or horizontal axis.

Both generators have a minimum speed between 3 and 5m per second. These do not work at very high speeds. In fact, if subjected to excessive energy they are blocked for safety reasons of the device.

How a vertical axis micro-wind Turbine system works

The vertical axis turbine micro-wind plant for your home is widely used in this area. It is one of the most used systems to obtain a good production of electricity with its installation. This system also resists wind gusts quite well. In this case, the electricity produced depends on the wind movement. **This system has several advantages.**

First of all, a constant functioning over time that does not disregard the wind direction. **Furthermore, vertical systems are easy to install and require little space.**

Save... by placing a recharging column for the electric Car on the side of your Statue

For most electric vehicle owners, the main point for charging is **our home**.

Normally vehicles stay in the garage or in the parking space for several hours every day: this situation is ideal because it allows you to slowly recharge the battery. Therefore, a **reduced power (kW)** is sufficient to have the battery fully charged every morning.

Moreover, contrary to what many people think, to discharge the battery and then recharge it completely. The modern lithium batteries used on vehicles, benefit mostly from **small partial refills**.

Should I contact the Network Operator? No.

The electric car will become a "household appliance" like everyone else (just a little more powerful and fun!). Therefore, the Network Manager should not be interested, precisely because they do not need permits or authorizations.

How long does it take to recharge with the photovoltaic system? It depends.

The charging speed depends on two main factors: the **power (kW)** with which it is recharged and the **maximum power accepted** by the **battery charger** inside the vehicle. If the two values are different, it always **commands the lowest of the two**.

Example:

- 7.4 kW charging station and electric vehicle with internal battery charger of maximum 3.7 kW: charging will take place at 3.7 kW;
 - 3.7 kW charging station and electric vehicle with internal battery charger of maximum 7.4 kW: charging will take place at 3.7 kW.
- **A full 3.7 kW recharge takes about 5/6 hours.**
 - **A full 7.4 kW recharge takes about 2/3 hours.** And so on.

In any case you will hardly experience these times, because a complete recharge is **rarely made**. So, you will probably have the car charged for 1 or 2 hours a day (depending on how many kilometers you've done during the day).

Combine an energy accumulator with the system. Should it?

The integration of a battery on a photovoltaic system is a good thing in which you want to be **completely independent with a connection to the electricity grid**. This type of system is also called stand-alone. The accumulator guarantees the supply of electric current even during the evening and at night, using clean energy and 0 impact. In this way, you are completely independent from the manager, and **you do not pay bills**.

The ideal choice for those who consume evening at night

Most consumption is concentrated in the evening and at night, when we are at home. During this time the plant does not produce, and we will be forced to refuel, at a high price, from the electricity grid. For these reasons, the choice to **install an Accumulator together with your Photovoltaic system is a convenient and intelligent choice**. Thanks to the **latest generation batteries**. Designed to guarantee energy efficiency and long life, it will finally be possible to exploit the electricity produced during the day.

Lithium ion accumulators

They are the most efficient and long-lasting, as well as guaranteeing reduced installation spaces. On the market there are many inverters with integrated lithium-ion accumulators, which can be installed anywhere, without having the need for a dedicated room. Kindly note, **the prices of lithium ion continue to fall**. It is estimated that in the next few years they can fall well below € 1,000 per kW.