

PHOTOVOLTAIC STORAGE SYSTEM FOR ENERGY AUTONOMY



*"The most interesting and performing technology in the sector
of photovoltaic energy storage "*

WINNER OF 2018 SUSTAINABLE DEVELOPMENT PRIZE



Do you want to become 100% energy independent?
Are you tired of paying bills that become increasingly expensive every month?
Do you have a new property but the connection to the mains is too expensive?
Are you sick of having to pay tolls and fixed costs on your bills?
Do your bills increase even though you have already taken energy efficiency measures?
Do your bills increase even though you've changed your energy provider?
Have you got already a PV system connected to the mains, but now, without State incentives, your income is poor?
Do you want an energy storage system but are you afraid of the price?
Do you already have a storage system but its autonomy is not enough?
Are you discouraged by the bureaucratic practices to do for a system connected to the mains?
Do you still have the desire to supply your home from a 100% renewable source?

In any case, Greentronics REPOWER KIT is the solution to your energy problem.



The enormous advantage of a photovoltaic storage system today is to avoid the purchase of the electrical energy from the energy provider (as the energy produced can be stored to be used especially in the evening hours, when it is really necessary), rather than producing it to sell it to the energy provider (unless it is consumed instantaneously, but only during daylight hours) at a much lower (and fluctuating) price, that is, about one third of the cost of purchase.

Our innovative REPOWER system allows to realize modular photovoltaic storage systems of any size, in islanding (OFF GRID) so even without any connection with the mains, to achieve total energy independence, maximizing self-consumption and completely freeing up yourself from the bills. It is also compatible with a single-phase or 3-phase generator, with manual or automatic starting (ATS) to assist in emergency situations that may occur after several days of overcast.

It allows the use of any type of lead batteries (AGM, GEL, free acid, deep cycle, etc.), as it is equipped with an automatic desulfation function that provides to desulfate (i.e. remove the lead sulfates from the electrodes) each single battery only when it is necessary, reporting every day the batteries in optimal conditions.

The REPOWER system is modular, therefore it is possible to realize system configuration with multiple power or anyway with minor or higher power, purchasing separately its components and assembling them properly.

Thanks to the possibility to use very cheap batteries such as common lead acid batteries, thanks to special commercial agreements signed with the best European producers of photovoltaic panels and batteries, thanks to the economies of scale that derive from the modularity of the system, thanks to our vertical commercial approach addressed directly to the customer, we have an unbeatable price for the entire system, which is just about 1000€ per kWp, including photovoltaic panels, batteries, charge regulators and concentrators. This price already refers to a sizeable storage capacity, that is, 4,3kWh for each kWp of photovoltaic power.

This results in the lowest payback time for a photovoltaic system: about 3,5 years