

EFFICIENCY SAVING ENVIRONMENT

# choose the energy of the sun, switch to Geko!

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Voltage regulator for residential photovoltaic inverters

## Voltage regulator for residential photovoltaic inverters



### All its advantages:

- 1) It always supplies the inverter with the right voltage, even when this is variable at the input.
- 2) Geko protects the inverters from external overvoltages, this allows to avoid annoying breakdowns and expensive repairs.
- **3)** Moreover, Geko allows the inverter to operate in any input voltage situation (a particularity that makes it unique in the sector). In fact, its wide range (187-260V) means that the production of the system is always continuous and does not go through interruptions, always obtaining the maximum possible production.
- **4)** The installation of Geko is minimally invasive, in fact, it is installed downstream of the bidirectional meter.



## **Technical features**

Geko



| Rated input voltage                   | 187 – 260 V         |
|---------------------------------------|---------------------|
| Nominal frequency                     | 49÷51Hz             |
| Output voltage                        | 235÷242V            |
| Load variation                        | 0% to 100%          |
| Power factor of the load              | Not decisive        |
| Waveform at the output                | Sinusoidal          |
| Full load efficiency                  | 98%                 |
| Working environment temperature       | -25°C ÷ +45°C       |
| Cooling down                          | Natural circulation |
| Relative humidity                     | ≤95%                |
| Degree of protection of the container | IP44                |

### The Geko range is divided into two categories:



### FAQ: why choose photovoltaics?

Choosing the energy of the sun for the energy needs of your home is a sustainable choice that contributes to reducing the emissions of CO2 and other pollutants in the air. Here are the main questions and answers for those who want to switch to an alternative and environmentally friendly source of energy.

#### • What is photovoltaics and how does it work?

Photovoltaics is a technology that converts the energy of the sun, therefore a source of clean and 100% renewable energy, into electricity used to satisfy fully or partially energy needs.

#### Can solar panels be installed indoors?

Can solar panels be installed indoors? Of course, if there is enough space. The modules of a photovoltaic system can be installed on the roof of the building, but also on the terrace or balcony, on a facade of the house or on the ground.

#### How much can you save with solar panels?

In the case of self-consumption, that is to say of a system that is able to completely satisfy the energy needs of a house, we are talking about 100% savings.

• How is the power of a photovoltaic system measured? The unit of measurement is the KW / p, the peak kilowatt, that is to say the maximum power that the panels can reach in absorbing solar radiation, therefore under optimal conditions and in a situation of maximum thermal efficiency. energy efficiency division





Company awarded by



"Project co-financed by the European Union, the Italian State and the Campania Region, as part of the POR Campania ERDF 2014-2020 ".



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