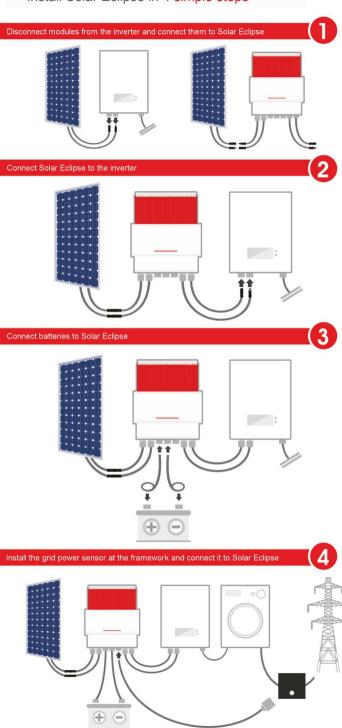
Install Solar Eclipse in 4 simple steps





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Sun energy overnight



What is Solar Eclipse?

Solar Eclipse is the unique ingenious system which allows You to take advantage of the whole energy produced by your photovoltaic field, with no need to modify the plant nor purchase a new inverter. Solar Eclipse is an electronic intelligent system that stores the exceeding electric energy produced by the traditional photovoltaic plant, charging common batteries (lead acid, gel, AGM, ...) for using it when needed (overnight or during low solar radiation moments).

Solar Eclipse doesn't need any modification of the plant, but is simply connected to photovoltaic modules one side and to the grid inverter the other side.

Moreover, four 12 V at least 100 Ah common batteries must be connected.

Solar Eclipse operates completely in direct current and does not need any connection with the distribution grid



Who can purchase it?

Solar Eclipse is suitable for anyone owns a grid connected photovoltaic plant with power between 1 and 6 kW per phase. Solar Eclipse fits with any kind of grid connected inverter, any brand*, with inlet voltage between 200 V and 600 V and can operates either with single phase and three phases inverters because it completely works in DC.

* it's important to communicate the inverter's details before the order to verify the very compatibility



Which batteries?

Solar Eclipse recharges any type of battery pack with 48 V voltage and capacity between 100 Ah and 450 Ah.

The charging cycle is programmable according to the battery type (lead acid liquid, gel, AGM, etc).

For a modest energy consumption during the night, four 100 Ah batteries are enough.



How does it works?

When the photovoltaic modules' power exceeds the one requested by the user, Solar Eclipse starts storing in the battery pack the energy excess that otherwise would be given in the grid, behaving as a DC battery charger.

When the power requested by the user exceeds the one produced by the photovoltaic plant instead (overnight or during cloudy time), Solar Eclipse takes energy from the batteries for giving it to the inverter, so the user doesn't need any take from the grid. So, Solar Eclipse operates as a battery charger when the solar power is in excess, and as a radiated photovoltaic added string when the solar power is not sufficient or present at all.

- Does never charge batteries with energy from the grid
- The first energy produced by the photovoltaic plant gets used to power the user
- Exceeding energy gets used to charge the batteries
- The energy still exceeding gets given in the grid
- Uses the stored energy when the sun is not sufficient or overnight



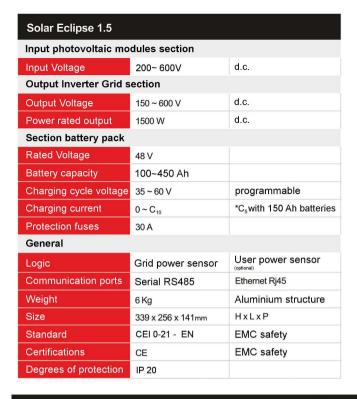
Daytime

The exceeding energy produced by your photovoltaic plant is stored in "Solar Eclipse"



Nighttime

Overnight and during the cloudy days Solar Eclipse gives You back the energy You need, with no access to the grid



Everything works automatically and anytime You can check your free energy stock, directly stored from _____ the sun





The unique system in the market that allows You to store energy without modifying or losing characteristics of your grid connected plant



Cut down the electricity bill even for night consumption

Store the exceeding energy produced by your photovoltaic plant

Increase the available power for your home

Connect it in four steps to your photovoltaic plant!