

Cabinet version

Energy conversion and storage unit that can be interconnected with external energy sources (PV, grid, generator).



Single phase box (3 and 5 kVA)

Product characteristics

	Single phase box	Three phase box
Length x width x height (m)	0,50 x 0,6 x 2,1	0,90 x 1,80 x 2,20
Weight (kg)	320kg (all options)	700
IP rating	IP54	
Technical room	Forced ventilation	Air-conditioned
Handling	Forklift/pallet jack/lifting lugs (optional)	

Battery system

Cells technology	Lithium Iron Phosphate (LiFePO4)
Tension	48V
Nominal capacity	2,4kWh/battery pack
Life cycles	>8000 at 25°C and 90% DoD
Maximum continuous charge/discharge current	100A

Three phase box (15kVA)

Technical specifications

	Single phase box	Three phase box
Power inverter charge	3 or 5 kVA at 25°C	15 kVA at 5°C
PV inverter power	2,4 to 4kW	12kW
Battery capacity (3kVA)	4,8 to 14,4kWh	28,8 to 43,2kWh
Battery capacity (5kVA)	9,6 to 14,4kWh	28,8 to 43,2kWh

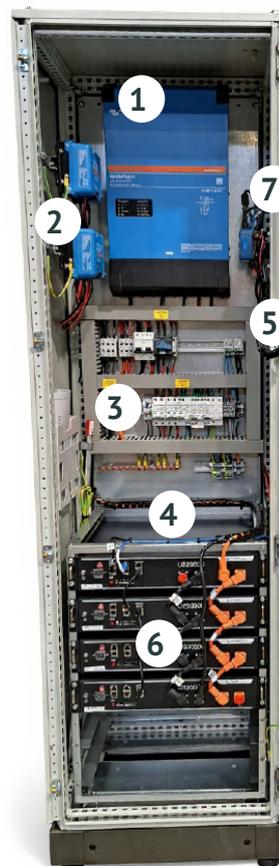
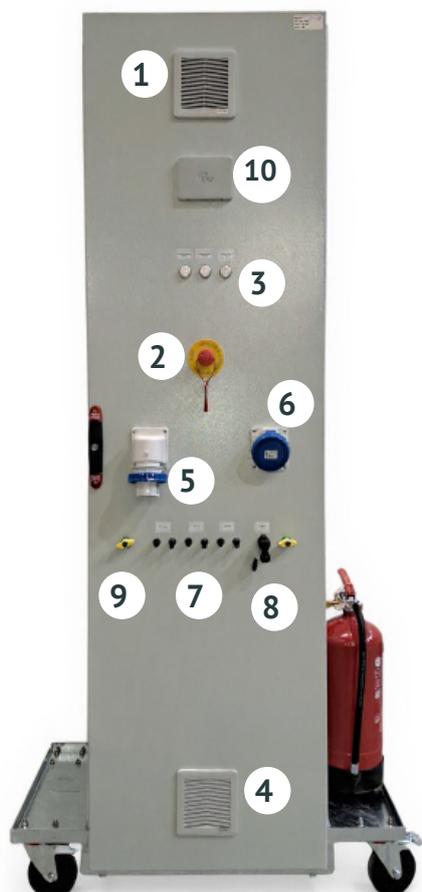
The strong points of the Solar Hybrid Box®

- System ready to be connected to external power sources
- Customizable
- Plug and Play
- Simplified commissioning, no specialized installer needed



SOLAR HYBRID BOX®

Cabinet version



- 1 Ventilation grid
- 2 Emergency stop button
- 3 Voltage presence indicators
- 4 Low ventilation grid
- 5 Power connector
- 6 Charging socket
- 7 Solar PV connections
- 8 Boot socket Diesel Generator
- 9 Earthing connection
- 10 IHM (Control screen)

- 1 Inverter - charger
- 2 Solar charge controller
- 3 Electrical protection
- 4 Connection terminal
- 5 4G LTE Modem
- 6 Batteries
- 7 Cerbo GX

Options

Front panel connectors
Casters on 3 and 5kVA (single phase box)
Connection to socket
Lifting rings
Supplementary charge controller on 3 and 5kVA- until 3
Fire extinguisher
Customized color and logo

For an optimal use with Diesel Generator:

Generator power = 1,2 to 1,5 x kVA of the Solar Hybrid Box®

The diesel generator must be equipped with an ATS autostart system and an electric starter.