

# SOLAR HYBRID BOX®



## 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

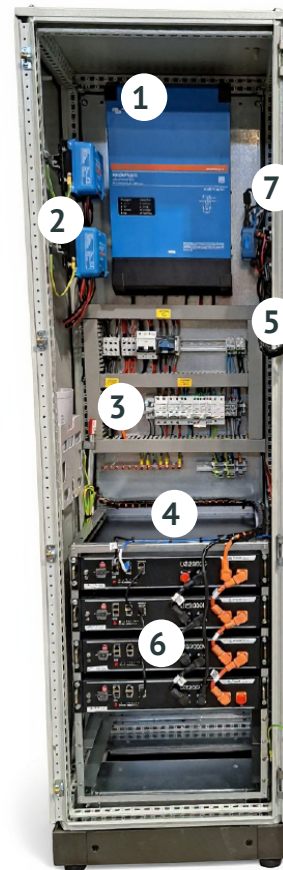


- 1 Ventilation grid
- 2 Emergency stop button
- 3 Voltage presence indicators
- 4 Low ventilation grid
- 5 Power connector
- 6 Charging socket
- 7 Solar PV connections
- 8 Boot socket Diesel Generator
- 9 Earthing connection
- 10 IHM (Control screen)

### 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.



- 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



# SOLAR HYBRID BOX®



## Container version

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



### Exemple of a 20' container

#### Technical specifications

Power battery charger	from 30 to 135kVA
Power PV inverter	from 25 to 100kVA
Battery capacity	43,2 to 172kWh

#### Product characteristics

Length × Width × Height (m)	6,06 x 2,44 x 2,6
Weight (t)	5 to 16
Technical room	Isolated and air-conditioned
Handling	Top lifting via ISO corners
CSC Certificate	Yes

#### Battery system

Cells technology	Lithium Iron Phosphate (LiFePO4)
Voltage	48V
Nominal capacity	4,8kWh/battery pack
Battery life cycles	>8000 at 25°C and 90% DoD
Maximum continuous charge/ current discharge	100A

#### The strong points of the Solar Hybrid Box®

- System ready to be connected to external sources
- Customized container color and logo
- Plug and Play
- Forced ventilation / Air-conditioned
- High solar connection capacity, up to 135 kWp.
- Simplified commissioning, no specialized installer required



# SOLAR HYBRID BOX®



## Container version



- 1 Container
- 2 Isolated and air-conditioned room

- 1 Electrical box
- 2 Light
- 3 Smoke detector
- 4 Air-conditioning
- 5 DC distribution box
- 6 Hybrid inverters
- 7 DC protection box
- 8 Batteries

### Options

Customized container color and logo  
Scalable and measure adapted battery configuration in multiples of 4.8 kWh

