Gave Solartec

BACKUP BOX

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	Gene Solartec	

AUTOMATIC SWITCHING FOR **RESIDENTIAL ENERGY STORAGE SYSTEMS**







AC

RESIDENTIAL

Gave Solartec

Full power always available

The Backup Box is an innovative and compact unit that enables the implementation of a "Full Backup" system for hybrid inverters with battery storage. With this device, all loads can receive a continuous power supply, whether they are operating in on-grid or off-grid mode.

Which are the main features?

- The box gets energy supply from the grid and the inverter.
- All loads power needs are supplied through the box.
- The inverter controls the switchover operations.

What does the Full Backup Box provide?



What does normative regulation say?

Self-consumption installations connected to grid and able to operate in island mode are subject to specific installation regulations that typically establish:

Grid disconnection.

Power generation will be stopped or disconnected and, subsequently, the loads will be grid disconnected with the switching system.

Grid Reconnection.

Power generation will be stopped or disconnected and, subsequently, the loads will be connected to the grid with the switching system.



Freestanding system managed by the inverter

Three distinct status options are available thanks to the switching transfer technology employed.



OFF BACKUP



Guaranteed breaking and isolation of all power circuits, for **maintenance tasks**. Manual operation by the user.



Motorised changeover switch

The electrical connection is secured thanks to the switch technology. In each position, the electrical contact is mechanically fixed, effectively preventing any unintended connection in the event of a failure.



BACKUP BOX

HYBRID BACKUP



The inverter and the grid supply energy together. The system operates in

interconnected mode.

FULL BACKUP



Grid failure. Power grid disconnection, **all loads power needs** are now supported by the inverter power line.

Built-in Power Meter

The inverter communicates with the energy meter installed inside the Backup Box and always is aware of the grid status.







Connecting the installation neutral and earth



BACKUP BOX



References

	Single-phase system	Three-phase system
А	Ref	Ref
25	ACBM25FN	ACBT25FN
40	ACBM40FN	ACBT40FN
63	ACBM63FN	ACBT63FN

FN: For Fronius GEN24 Plus inverter *Other inverter brands consult

Product features



IP66 protection Against dust and water jets.



Cable grommet plate with membranes

Quick installation of cables.



IK10 Protection Against shocks, knocks or impacts (IEC 62262).



External operating handle

In case of emergency.



Thin depth Easy integration into residential buildings.



LED indicators Status signaling with high visibility lights.

The essential tool to find your PV combiner box quickly and easily

In just 3 easy steps:

- Choose your inverter brand
- Select the model
- Find the reference for your DC and AC box that is compatible with your installation

It's that simple! As well as finding the reference, you will also be able to view the product, check the main characteristics and download the technical datasheet to ensure that you have the most complete and detailed information possible.







Video Find out how modular PV combiner boxes work.



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