



mECObox

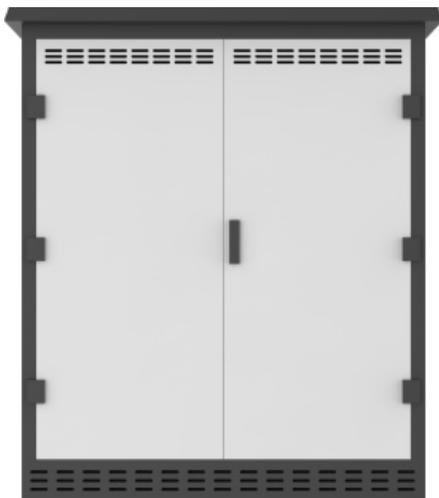
// Plug & play power supply

The **mECObox** is an all-in-one, plug & play energy box. All components like inverters, batteries and a main switchboard are factory installed. It is operational in no time at all, as the system only needs be connected to any power source. Due to its compact size and small weight, the **mECObox** is very easy to transport and can be placed wherever you want - in a closed building or in open country, protected by the optional roof and connector coverage. The system can be used in grid-connected, grid-parallel, or in off-grid mode.

System components

The **mECObox** is a compact energy box with dimensions of: 150/120/63 cm and a maximum weight of 450 kg. A complete integrated protection package is installed, regardless of its configuration.

Various inverters for several applications can be installed in the box. From grid-connected wind inverters, up to off-grid PV inverters.



The **mECObox** is equipped with a sophisticated cooling system. This natural cooling effect is realized by optimized ventilation in the box.

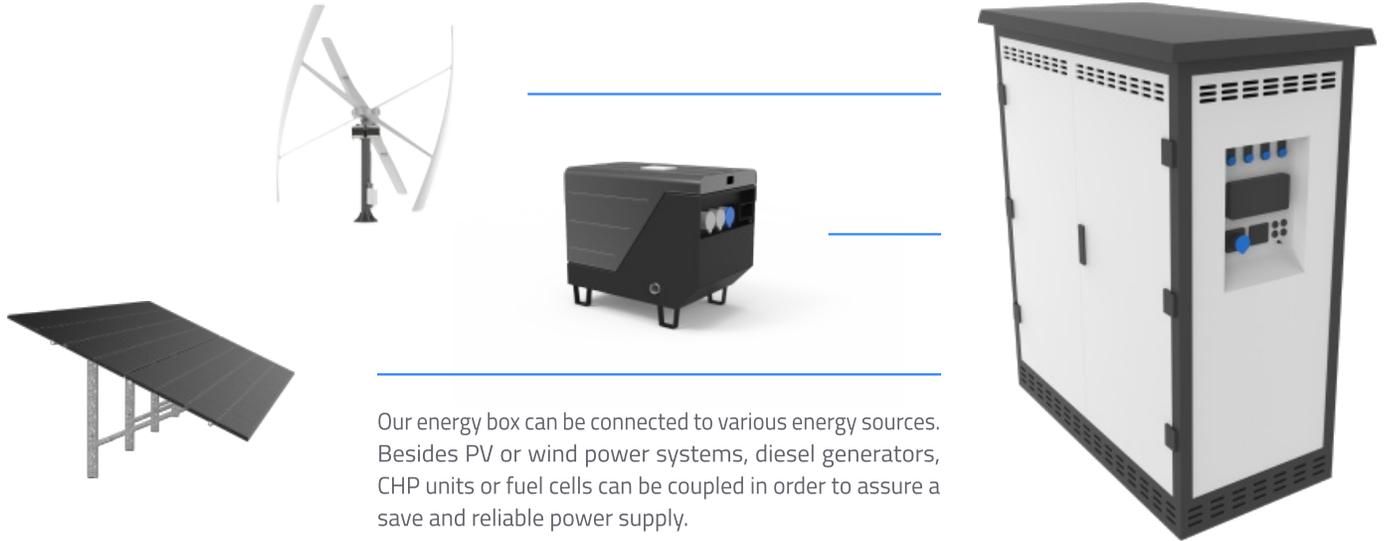


An external connection and control panel is installed to ensure a real plug & play functionality of the system.



The **mECObox** can be equipped with a modular energy storage system. The battery capacity can be increased in steps of 1.2 kWh.

Power sources



Our energy box can be connected to various energy sources. Besides PV or wind power systems, diesel generators, CHP units or fuel cells can be coupled in order to assure a save and reliable power supply.

Variety of applications



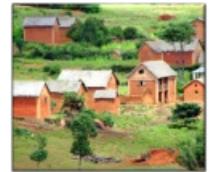
Disaster Management



Remote Facilities



Telecom Applications



Rural Areas

The **mECObox** can be used for a very wide range of applications. Due to its small size and low weight, it can be transported to almost any desired place - whether to an remote island in the tropics, or a mountain hut in an inaccessible area. The all-in-one design assures a quick and easy installation or potential relocation of the system.

System advantages



Plug & Play operation

The **mECObox** offers a real plug and play functionality. All components are factory installed, therefore no specialized electrician is required for the installation.



Protection package

A complete protection package is already included. Besides short circuit and and overload protection, a high temperature and battery deep discharge protective equipment is also installed.



Battery system

The battery is a high quality lithium-ion system which is perfectly suited for off-grid applications due to its high temperature stability. The battery comes with a performance warranty of 15 years.



Ecological aspects

The **mECObox** can be powered with renewable energy sources, which means electricity is generated without burning fossil fuels. In this way CO₂ and toxic exhaust emissions are reduced significantly.



Cooling system

The energy box has an integrated cooling system. In this way we can ensure the proper functionality of the system - especially of the battery system - even under demanding weather conditions.