

Gecko island infotech

Safety Precautions



Instruction manual Refer to the instruction manual before handling



Risk of electrical contact Risk of electrocution. It is recommended to disconnect from the AC mains before handling.



Wiring with safety ferrules. Use to prevent unwanted contact with the wiring.



Do not spill any liquids. Equipment not protected against liquids.



Protective cover Place the protective cover included with the electrical panel after installation.



Thermal-magnetic circuit breaker. Thermal-magnetic circuit breaker upstream of the equipment (see figs.).



Características

Nominal power	230 V _{RMS}
Máx. Power supply fluctuation	±20%
Maximum power consumption	<3W
Relay Current Capacity	40 A _{RMS}
Maximum cable size AC	16mm ²
Overvoltage Category	CAT III

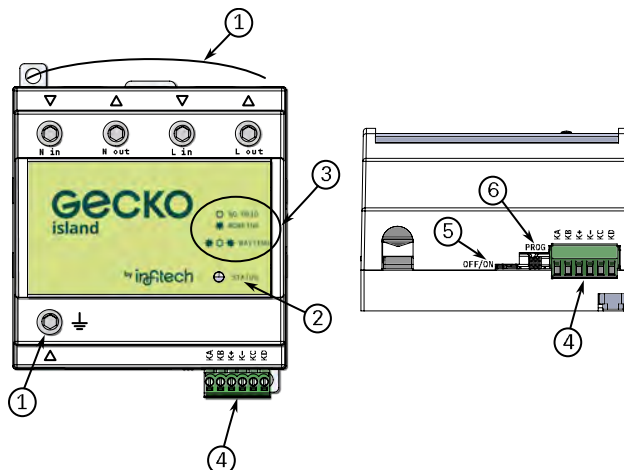
Applicable regulations

The GECKO island equipment complies with the standards set out in sections 7, 7.2 and 8.2.3 of ITC-BT-40.

This regulation applies to backup systems or systems that can operate isolated from the distribution grid.

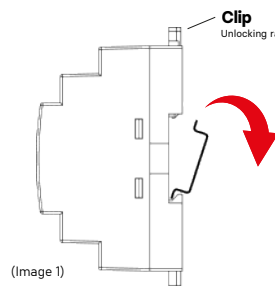
Part description

1	AC Mains connection
2	Status light (Green led)
3	Status light leyend
4	Interface connector for inverters
5	Off/On switch
6	Connector only for SAT purposes



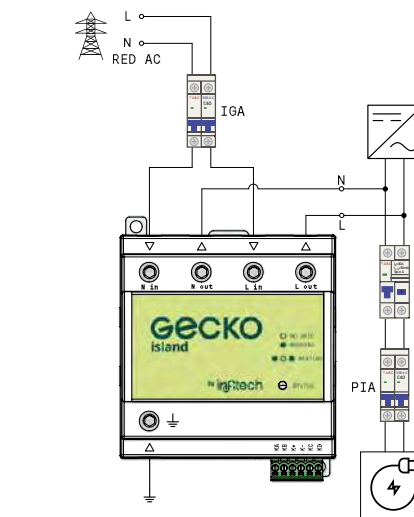
Installation

- 1 The equipment is prepared for installation on DIN rail
- 2 To remove it from the rail, you need to pull up the clip at the top Image 1



(Image 1)

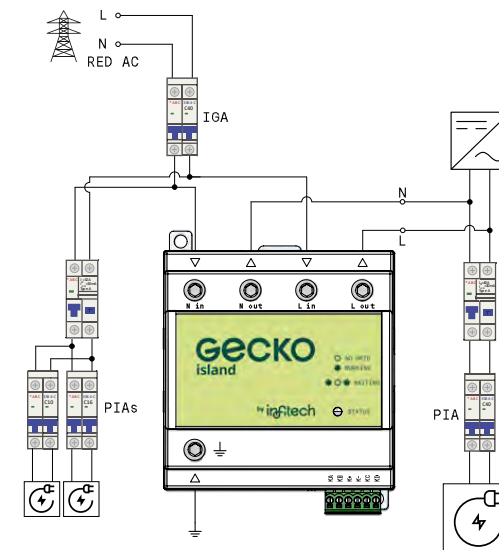
- 3 If all the loads in the installation are to be critical, it must be located under the automatic general circuit breaker (IGA) and differential. (Image 2)



(Image 2)

But if a **selective critical load configuration** is desired, the connection of the equipment must be in accordance with the following Figure 3.

Placing the equipment between attack and generation, leaving critical loads on that side. The remaining loads, which will be isolated in case of activation of the backup mode, will hang from the rush, parallel as in Figure 2.



(Image 3)

- 4 For the connection of the equipment, the network enters by Lin-Nin and leaves by Lout-Nout towards the installation and generation (Image 2 or Image 3).

In island mode, the GECKO island automatically isolates the network from the rest of the installation downstream.



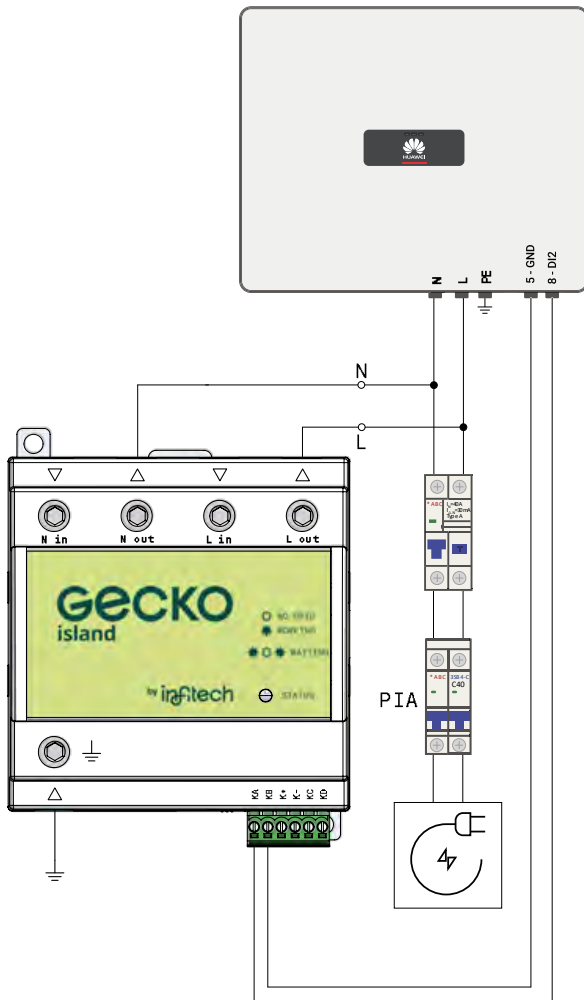
It is important to connect the ground to the PE terminal, since the device must connect it to Nout (neutral of the photovoltaic inverter) during operation in island mode.

Connection to equipment

In this figure, the particular connection with an installation that has a Huawei SUN2000-(2KTL 6KTL)-L1 inverter is mentioned.

The GECKO Island is compatible with other manufacturers in the market:

1. Bexie Group
2. Huawei
3. Growaat



States indicated led: STATUS

LED	STATUS	DESCRIPTION
	No AC grid	Backup/island mode is activated.
	Waiting	Timing after detecting the grid to deactivate island mode and connect the AC grid to the installation.
	Active	The device is active, maintaining the AC grid connected to the installation. Backup/island mode is deactivated.



NOTE

For more information about the wireless connection, refer to the Gecko User Manual.

If you need technical assistance, please contact **Infitech** by e-mail info@infiteches



Gecko
island infitech