

# DECLARATION OF CONFORMITY

Turbo Energy SL declares that the network connection inverters of the series:

## HYBRID INVERTER SERIES 48V 5.0

They are designed and tested in accordance with the standards set out in the Electromagnetic Compatibility Directive (EMC) and the Council of the European Union's Low Voltage Directive and comply with the limit values required therein, as well as in the Royal Decrees.

Directive 2014/30/EU	Directive 2014/35/EU	Royal Decree
<ul style="list-style-type: none"> <li>IEC 61000-6-1:2016</li> <li>IEC 61000-6-3:2006+AMD1:2010</li> <li>IEC 61000-3-11:2017</li> <li>IEC 61000-3-12:2011</li> </ul>	<ul style="list-style-type: none"> <li>EN 62109-1:2010</li> <li>EN 62109-2:2011</li> </ul>	<ul style="list-style-type: none"> <li>RD1699:2011</li> <li>RD 413:2014</li> <li>UNE 206006 IN:2011</li> <li>UNE 206007-1 IN:2013</li> </ul>

It is CE marked by virtue of compliance with the safety requirements for persons and property required by the above-mentioned Community Directives.

It also states that the above-mentioned network investors:

- They have an internal interconnect switch for automatic disconnection.
- They have internal protection of minimum and maximum voltage and network frequency, according to the following table:

Parameter	Protection threshold	Maximum acting time
Overtoltage phase 1	Un + 10%	1,5 s
Overtoltage phase 2	Un + 15%	0,2 s
Minimum voltage	Un + 15%	1,5 s
Maximum frequency	51 Hz	0,5 s
Minimum frequency	48 Hz	3,0 s
Un = 230 V <sub>AC</sub> (phase-neutro)		

- For electrical systems located both inside and outside the peninsula, the above values will be those included in the corresponding operating procedures.
- In case of action and once the normal conditions of supply of the mains are restored, the inverter will connect to the mains automatically, synchronizing with the mains.
- They have a harmonic distortion coefficient of less than 3%, complying with current regulations.
- The software to adjust the voltage and frequency protections is not accessible to the user.

**Signed**

**TURBO ENERGY S.L.**

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09/12/2021

Place of issue

Issuance date

Name, signature