



Translation of the original user guide

## USER GUIDE

# Power Converter 1000

**CONVERTER FOR PELENC BATTERY  
230 VAC / 50 Hz or 60 Hz PURE SINE 1,000W**



73\_14\_001A

**READ THE USER GUIDE CAREFULLY BEFORE USING THE TOOL**



73\_87802\_F - 09/2017



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## INTRODUCTION

Dear Customer,

Thank you for purchasing the Pellenc Power Converter 1000. Correctly used and maintained, this tool will give a satisfactory performance for many years.

The Power Converter 1000 will allow you to generate, from a Pellenc battery, 230V alternating current, 50 Hz or 60 Hz single-phase, pure sine, similar to the 230V domestic mains supply that you use at home. The Power Converter 1000 will allow you to use 230V devices and tools from a Pellenc battery, for a continuous power of 1,000W.



### ENVIRONMENTAL PROTECTION

Your equipment comprises numerous materials which can be valorised or recycled. Entrust these to your reseller or to an approved service centre so that they can be processed.



Comply with the regulations in force in your country as concerns environmental protection associated with your activity.

## IMPORTANT SAFETY INSTRUCTIONS



### KEEP THESE INSTRUCTIONS

**This manual contains important information and operating instructions for the tool. Read all instructions and warnings featured on the tools before use. Always comply with the instructions and illustrations in the manual.**

All through this user guide you will find advisory notes and information entitled: **REMARK, CAUTION / WARNING**.

A **REMARK** provides additional information, clarifies a point or explains a step to be followed in detail.

The **CAUTION** and **WARNING** advisories are used to define a procedure which, if neglected or incorrectly performed, may lead to serious damage to the equipment and/or personal injury.

This advisory:  indicates that if the procedures or instructions are not complied with, any damage will not be covered by the warranty and the owner will be responsible for the repair costs.

Safety indications are also given on the tool; they remind you of the safety precautions to be taken. Identify and read these indications before using the tool. Immediately replace any indications that may become partially illegible or deteriorated.

**Refer to the «SAFETY INDICATIONS» heading in order to identify the location of the safety indications on the tool.**

No part of this manual may be reproduced without the written consent of PELLENC. The illustrations given in this manual are for information purposes and are in no way contractual. PELLENC reserves the right to make any modification or improvement to its products as deemed necessary without informing customers already in possession of a similar model. This manual forms an integral part of the tool and must accompany the tool if it changes hands.

## IMPORTANT SAFETY INSTRUCTIONS



### GENERAL SAFETY INSTRUCTIONS FOR THE TOOL

**CAUTION** Read all the safety measures and all the instructions.  
Retain all the safety measures and instructions for later reading.

**This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or preliminary instructions by a person responsible for their safety.**

- Pellenc's Power Converter 1000 is a professional piece of equipment and must only be used with Pellenc batteries.
- PELLENC declines all responsibility in case of damage caused by improper use and use other than for which it is intended.
- PELLENC also declines all responsibility in case of damage caused by the use of non-genuine parts or accessories.

### WORK AREA SAFETY

- 1– Keep the work area clean and well lit.
- 2– Do not use electric tools in an explosive atmosphere, for example in the presence of flammable liquids, gases or dust.
- 3– When in operation, the converter's temperature can reach 60°C. No flammable material must be within 1.5 metres of the converter and battery.
- 4– Do not interfere with its cooling cycle.
- 5– Do not use or leave the device near a heat source (> 45°C).
- 6– Do not leave the device in direct, strong sunlight.
- 7– Do not expose the device to microwaves or high pressure.

### ELECTRICAL SAFETY

- 1– The output voltage must not be connected to a power distribution system.
- 2– Never modify the connector or any other part of the device in any way whatsoever.
- 3– Do not expose the device to rain or damp conditions.
- 4– Do not misuse the power cord. Never use the power cord to carry, pull or disconnect the device. Keep the power cord away from heat, lubricant, sharp edges or moving parts.
- 5– If the input and/or output cords are cut or damaged, bring the entire device back to the authorised distributor it was purchased from.
- 6– Do not introduce any metal objects into the device such as paper clips, coins, keys, nails, screws or other small metal objects likely to short circuit its components.
- 7– Do not immerse the device in water.

### PERSONAL SAFETY

- 1– Remain vigilant, watch what you are doing and use common sense when using the device. Do not use the device if you are tired or under the influence of drugs, alcohol or medication.
- 2– In the event of suspicious fumes, place the converter outside the premises or vehicle, as far from any combustible material as possible.

## IMPORTANT SAFETY INSTRUCTIONS

### TOOL USAGE AND MAINTENANCE

- 1- Keep the device out of the reach of children and place it on a non-combustible support.
- 2- Fragile case, contains electronic boards.
- 3- The device must be protected against shock and must be well positioned and secured during transport phases.
- 4- Do not use the device for any application other than that for which it was originally intended
- 5- At the end of its life, the device must be returned to the authorised distributor it was purchased from to be recycled in compliance with waste regulations.

### MAINTENANCE AND UPKEEP

- 1- Have the device serviced by an approved PELLENC dealer, using only identical spare parts.

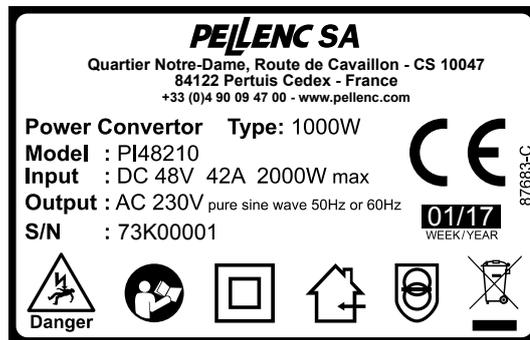
## SAFETY MEASURES



### SAFETY MEASURES ASSOCIATED WITH THE USE OF THE BATTERIES

Please refer to the battery instructions of the relevant Pellenc tools.

## SAFETY SIGNALS



Equipment in compliance with EC standards.

Risk of electric shock. Do not open.  
Danger

Read the user guide.

Double insulated equipment

For indoor use only.

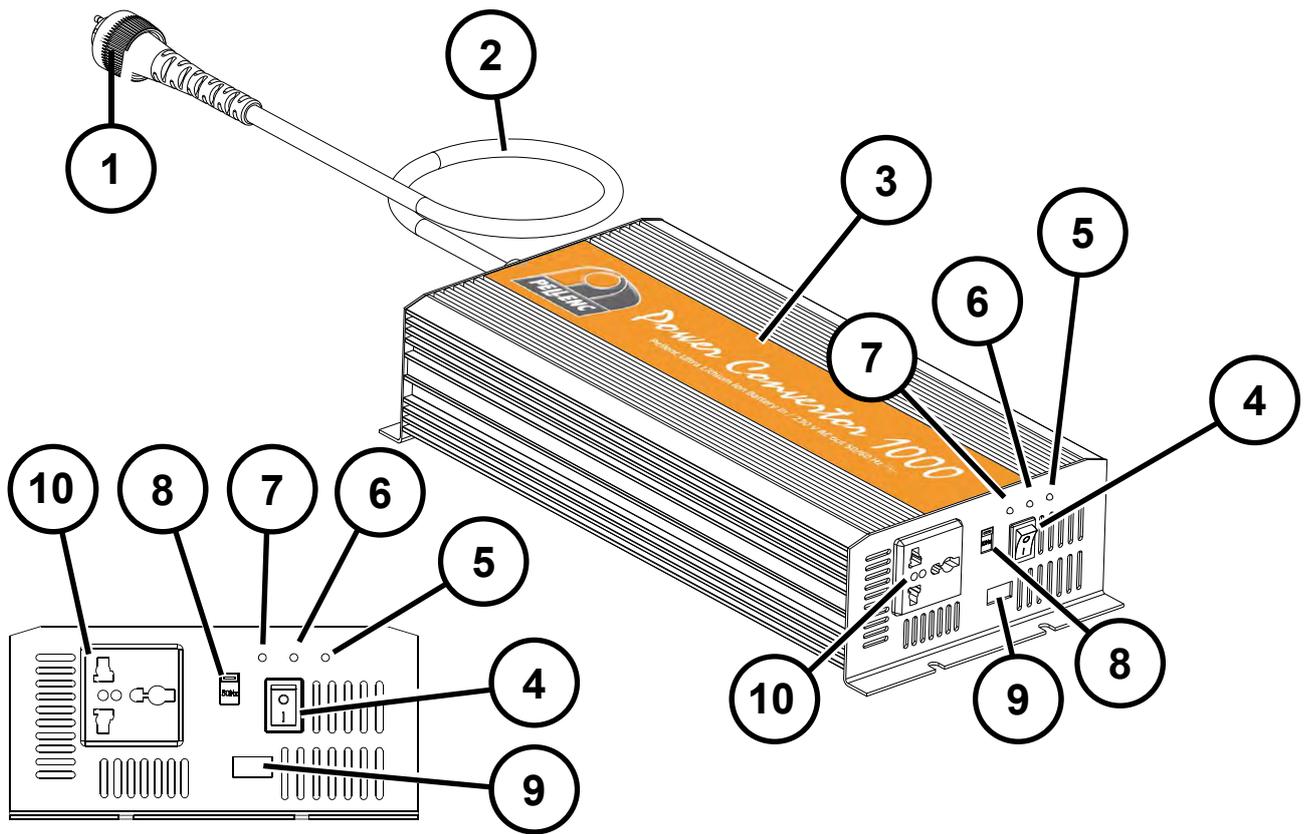
Equipment with galvanic isolation via a transformer.

### ENVIRONMENTAL PROTECTION

Your equipment comprises numerous materials which can be valorised or recycled. Entrust these to your reseller or to an approved service centre so that they can be processed.

## DESCRIPTION AND TECHNICAL CHARACTERISTICS

### TECHNICAL CHARACTERISTICS



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- 1– Battery connector plug
- 2– Cord
- 3– Converter
- 4– ON/OFF switch
- 5– Power indicator

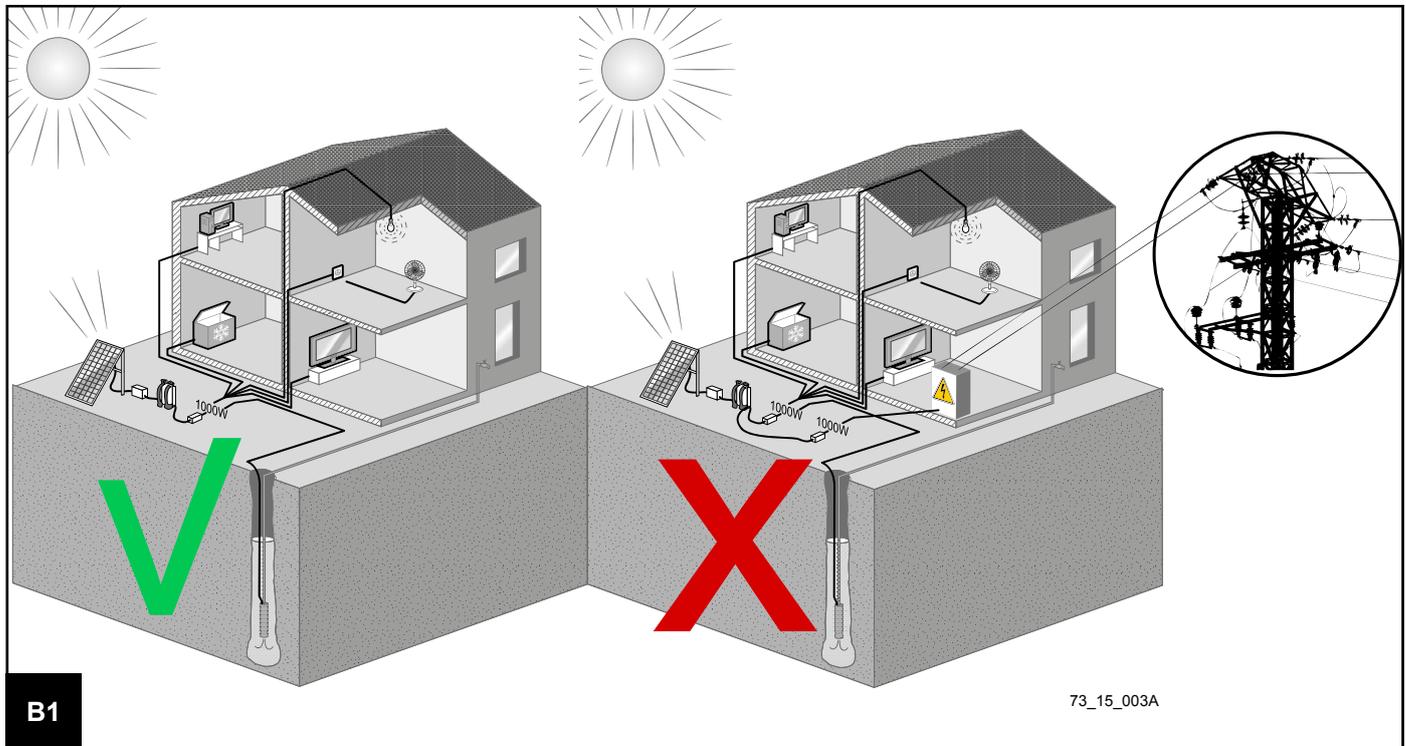
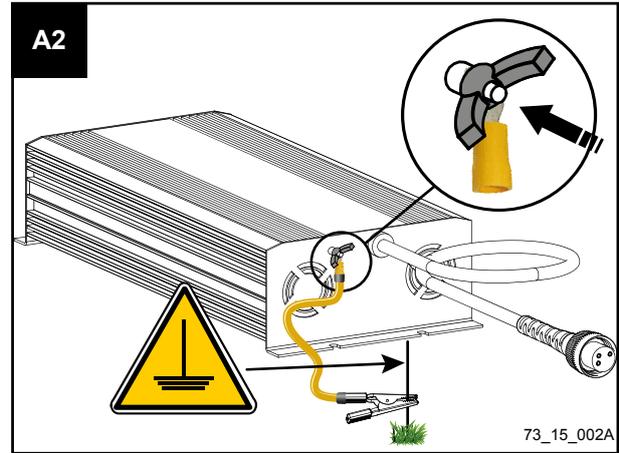
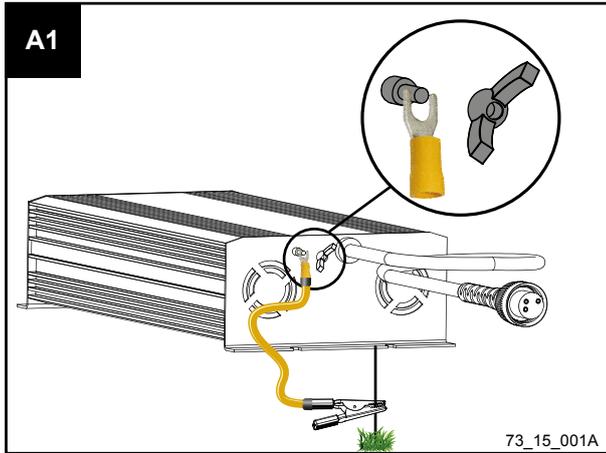
- 6– Temperature light
- 7– Safety shutdown indicator light
- 8– Frequency selector
- 9– USB connector
- 10– 230 VAC connector

## DESCRIPTION AND TECHNICAL CHARACTERISTICS

Rated power	1,000W
Maximum peak power	2,000W
Input voltage (Pellenc battery)	36 VDC - 52 VDC
Maximum input current	55A
Output voltage	230 VAC +/- 5% pure sine
Output current @ 1,000W	4.5A
Output frequency	50 Hz / 60 Hz
Weight of the unit	2.3kg
Protection index	IP20
Battery compatibility	Ultra-Lithium battery Poly 5, 700+, 800+, 1100.

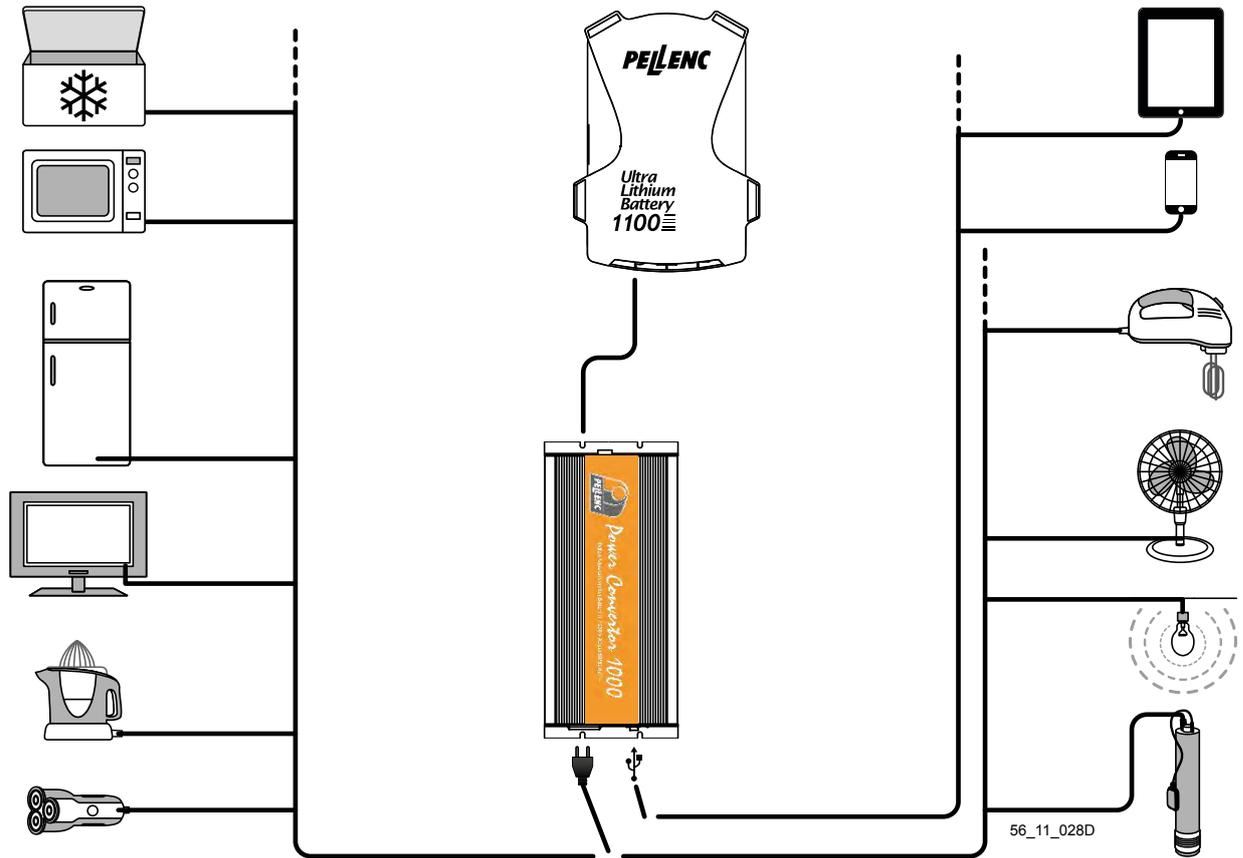
## POWER CONVERTOR USAGE EXAMPLE

A SOURCE OF ENERGY CAPABLE OF SUPPLYING A HOUSE THAT IS NOT CONNECTED TO AN ELECTRICITY GRID



This system cannot be connected to another power distribution system.

## POWER CONVERTOR USAGE EXAMPLE



The power of the products connected cannot exceed 1,000W.

## OPTIMISATION OF THE CONVERTER

### RECOMMENDATIONS FOR USE

Before using the Power Converter 1000 to power an electrical device, make sure that the device and the PELLENC battery connected to the input can deliver the required power.

### INDICATOR LIGHT AND WARNING SIGNALS

Inverter status	Alarm sounds	LED indicate	Solution
ON/OFF switch is switched on	no sound	green	230 VAC at the output of the Power Converter 1000.
ON/OFF switch is switched OFF	no sound	no light	No 230 VAC at the output of the Power Converter 1000.
ON/OFF switch is switched on, LED does not light. Buzzer is off	no sound	no signal	1- Check the battery charge level, if the battery is empty, please charge the battery. 2- Please check again if the inverter is connected to the battery correctly. If the inverter still doesn't work, please contact your local dealer.
Battery low alarm	Bibi~ Bibi~	no signal	1- Check if the cable from battery to the inverter is not damaged and tighten correctly. 2- Check the battery charge level, if the battery is empty, please charge the battery. 3- Device switches on and off. Low output voltage may be caused by overload or short circuit in output. Please unplug the device connected to the inverter and check if it occurs again.
Low/high voltage alarm	bi~~~		
Over temperature protection	bi~	yellow	Check the fan. The cooling fan will be off initially, it is temperature control. If the fan is functional, please make sure the unit is placed at a well-ventilated environment. Reduce load to cool down the device.
Over loaded protection	bibibi~~ bibibi~~	red	Please reduce load. Re-start the device.

# PELENC S.A. WARRANTY AND AFTER SALES SERVICE

## I. Legal warranty

### A. Warranty against latent defects

Apart from the commercial warranty provided for under Article II, Article 1641 of the Civil Code provides that "the seller is bound to a warranty on account of latent defects of the object sold which render it unfit for the use for which it was intended, or which would impair said use to the extent that the buyer would not have acquired it, or would only have given a lesser price for it, had he known of them".

Article 1648 of the Civil Code "The action resulting from latent defects must be brought by the purchaser within two years after the discovery of the defect. "

### B. Legal warranty of conformity

Article L.217-4 of the Consumer Code "The seller delivers goods in conformity with the contract and is liable for defects of conformity existing upon delivery.

The seller is also liable for any lack of compliance resulting from the packaging, assembly or installation instructions whenever its contractual liability is engaged in this regard or the latter are carried out under its responsibility

Article L.217-5 of the Consumer Code "The goods are comply with the contract:

1) If they are suitable for the purpose usually expected of similar goods and, where applicable:

- If it matches the description given by the seller and possess the qualities that were presented to the buyer in the form of a sample or model;

- If it has the qualities that a buyer can reasonably expect given the public statements made by the seller, the producer or its representative, especially in advertising or labelling;

2. Or, if it has the characteristics defined by mutual agreement of the parties or is fit for any particular purpose that the buyer made known to the seller and that the latter accepted.

Article L.217-12 of the Consumer Code "legal action resulting from lack of conformity lapses two years after delivery of the goods".

## II. Pellenc Commercial Warranty

### A. Contents

#### 1. General Information

In addition to legal warranties, client users benefit from the commercial warranty on PELENC products covering the exchange and replacement of parts recognised out of use, caused by machining defects, assembly defects or material defects, whatever the cause.

The warranty forms an inseparable whole with the product sold by PELENC.

#### 2. Spare Parts

The commercial warranty also covers original PELENC spare parts, excluding labour and to the exclusion of certain parts of each product provided at delivery.

### B. Duration of the warranty

#### 1. General Information

PELENC products are guaranteed under the commercial warranty as from delivery to the customer for a period of two (2) years for products connected to a PELENC battery, and for a period of one (1) year for other PELENC products.

#### 2. Spare Parts

PELENC spare parts replaced under the product warranty are guaranteed under the commercial warranty as from delivery of the PELENC product to the customer for a period of two (2) years for products connected to a PELENC battery, and for a period of one (1) year for other PELENC products.

In the case of products connected to a Pellenc battery, parts that are replaced in the under the product warranty after the 12th month of use, are covered for a period of one (1) year.

### C. Warranty exclusions

Excluded from the commercial warranty are products that have been subject to abnormal use, or were used under conditions and for purposes other than those for which they were manufactured, especially in the case of non-compliance with conditions stipulated in this user manual.

It does not apply in case of shock, fall, neglect, lack of supervision or maintenance or in case of transformation of the product. Also excluded from the warranty are products that have been subject to tampering, alteration or modification by the client user.

Wear parts and/or consumables cannot be covered by the warranty.

## III. Implementation of the commercial warranty

#### 1. Product commissioning and commissioning declaration

The DISTRIBUTOR undertakes to complete the computer commissioning declaration form, no later than eight days after the delivery of the property to the user customer, in order to activate the latter on the www.pellenc.com website under "warranties and training" in the "extranet" menu, using the identifier previously provided to them by PELENC.

Failing that, commissioning declaration will not be effective and implementation of the PELENC commercial warranty will not occur. As a consequence thereof, the DISTRIBUTOR must ensure the financial burden of its intervention under the warranty without being able to pass on the cost to the client user.

The DISTRIBUTOR shall also undertake to complete the warranty card or the certificate of warranty and commissioning for self-propelled equipment provided with the product after having the client user sign and date it.

## IV. Paid after-sales service

### A. General Information

Malfunctions, breakdowns, breakages resulting from misuse, neglect or improper maintenance by the client user as well as malfunctions resulting from normal wear of the product are subject to the payment of after-sales service, even during the period of the legal and commercial warranty. After-sales service repairs that fall outside of the legal and commercial warranty also include maintenance, adjustments, diagnostics of all types, and cleaning without the present list being exhaustive.

### B. Wear parts and consumables

Wear parts and consumables also fall within the after-sales service.

### C. Spare Parts

Paid after-sales service also covers original PELENC spare parts, excluding labour and outside the legal and commercial warranty period.

In case of replacement of original PELENC spare parts in the context of after-sales service, said latter are covered by a warranty of one year as from the installation date.

## “EU” STATEMENT OF CONFORMITY

MANUFACTURER	PELLENC SA
ADDRESS	QUARTIER NOTRE-DAME ROUTE DE CAVAILLON - CS 10047 84122 PERTUIS CEDEX (FRANCE)
PERSON/ENTITY AUTHORISED TO COMPILE THE TECHNICAL DOSSIER	PELLENC SA
ADDRESS	QUARTIER NOTRE-DAME ROUTE DE CAVAILLON - CS 10047 84122 PERTUIS CEDEX (FRANCE)

WE HEREBY DECLARE THAT THE EQUIPMENT HEREINAFTER REFERRED TO AS :

GENERIC DENOMINATION	CONVERTER, 230VAC PURE SINE 1,000W
FUNCTION	PROVIDE A 220/230V POWER SOURCE FROM A PELLENC ULIB BATTERY
COMMERCIAL NAME	POWER CONVERTOR
TYPE	1000W
MODEL	1000
SERIAL No.	73R00001 - 73R49999 73S00001 - 73S49999 73T00001 - 73T49999

COMPLIES WITH THE PROVISIONS OF THE FOLLOWING EUROPEAN DIRECTIVES :

- 2014/30/EU EMC Directive
- 2014/35/EU Low Voltage Directive
- 2011/65/EU ROHS Directive
- 1907/2006 REACH Regulation
- 2012/19/EU WEEE Directive

THE FOLLOWING HARMONIZED EUROPEAN STANDARDS WERE USED :

- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 61000-6-1:2007
- EN 61000-6-3:2007/A1:2011
- EN 60335-1 :2012+A11 :2014

CONCLUDED AT PERTUIS, DATED 02/05/2017

JEAN MARC GIALIS

Deputy Managing Director





