

**ENG**

Translation of original user guide



# CONVERTOR CONVERTOR 12V/43V

Operating instructions

77726  
09/2020

READ THE USER GUIDE CAREFULLY BEFORE USE



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## 1. INTRODUCTION

Dear Customer,

Thank you for purchasing your Convertor Convertor 12V/43V . Correctly used and maintained, this tool will give a satisfactory performance for many years.

### **Warning**



Your device contains numerous recoverable or recyclable materials. Return it to your dealer or, failing this, to an approved servicing centre to be treated.



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



### **Warning**

It is imperative that you read through the ENTIRE user's manual before using or servicing the tool. Always comply with the instructions and illustrations in the manual.


All through this user guide you will find advisory notes and information entitled: NOTE, IMPORTANT, ATTENTION and WARNING.

The points marked "NOTE" indicate additional information.

The points marked "IMPORTANT" warn the user of a potential risk to the equipment.

The points marked "ATTENTION" warn the user of a potentially hazardous situation which if not avoided leads to minor injuries.

The points marked "WARNING" warn the user of a potentially hazardous situation which if not avoided leads to serious injury or death.

The warning  indicates that damage resulting from failure to comply with the procedures and instructions is not covered by the warranty and the owner will be liable for any 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 Section 2.3, "Safety signage" for the location diagram of the safety stickers affixed to the tool.

No part of this manual may be reproduced without the written permission of the company PELLENC. The illustrations given in this manual are for information purposes and are in no way contractual. The PELLENC company 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.

## 2. SAFETY

- The Convertor Convertor 12V/43V is a professional tool whose use is reserved exclusively for working with Olivium or Olivion PELLENC.
- The PELLENC company accepts no responsibility for any damage caused by improper or unspecified use different from its original intention.
- The PELLENC company accepts no responsibility for any damage caused by the use of non-original parts or accessories.

### 2.1. SAFETY MEASURES ASSOCIATED WITH THE USE OF THE CONVERTOR

1. When in operation, the convertor's temperature can reach 60°C. No flammable material must be within 1.5 metres of the convertor and battery.
2. Do not introduce any metal objects into the convertor such as paper clips, coins, keys, nails, screws or other small metal objects likely to short circuit its components.
3. Place the equipment out of children's reach and onto a non-combustible support.
4. Do not interfere with its cooling cycle.
5. Do not use or leave the convertor near a heat source (> 45°C).
6. Do not leave the convertor in direct, strong sunlight.
7. Do not expose the convertor to microwaves or high pressure.
8. Do not immerse the convertor in water.
9. The convertor must be protected against shock and must be positioned and secured during transport phases.
10. In the event of suspicious fumes, place the convertor outside the premises or vehicle as far from any combustible material as possible.
11. If the output cord is torn or damaged, bring the entire convertor back to the authorised distributor it was purchased from.
12. Do not use the convertor for any application other than that for which it was initially intended (exclusive use of the Pellenc Olivium or Olivion).
13. At the end of its life, the convertor must be returned to the authorised distributor it was purchased from to be recycled in compliance with waste regulations.
14. Do not use in the rain.
15. Fragile plastic case.
16. Always attach the convertor to the top of the 12V battery using its strap.
17. Always hold the alligator clips by their insulating parts to prevent the risk of burning.
18. Risk of short circuit, observe the correct polarity during the connection.

### 2.2. SAFETY MEASURES ASSOCIATED WITH THE USE OF THE TOOL

Please refer to the instructions of the tool concerned.

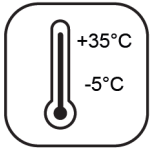
### 2.3. SAFETY SIGNAGE



Do not expose to rain.



Read the user guide.



This equipment must be used at a temperature of between -5° and +35°C.



At the end of its life, the convertor must be returned to the authorised distributor it was purchased from to be recycled in compliance with waste regulations.



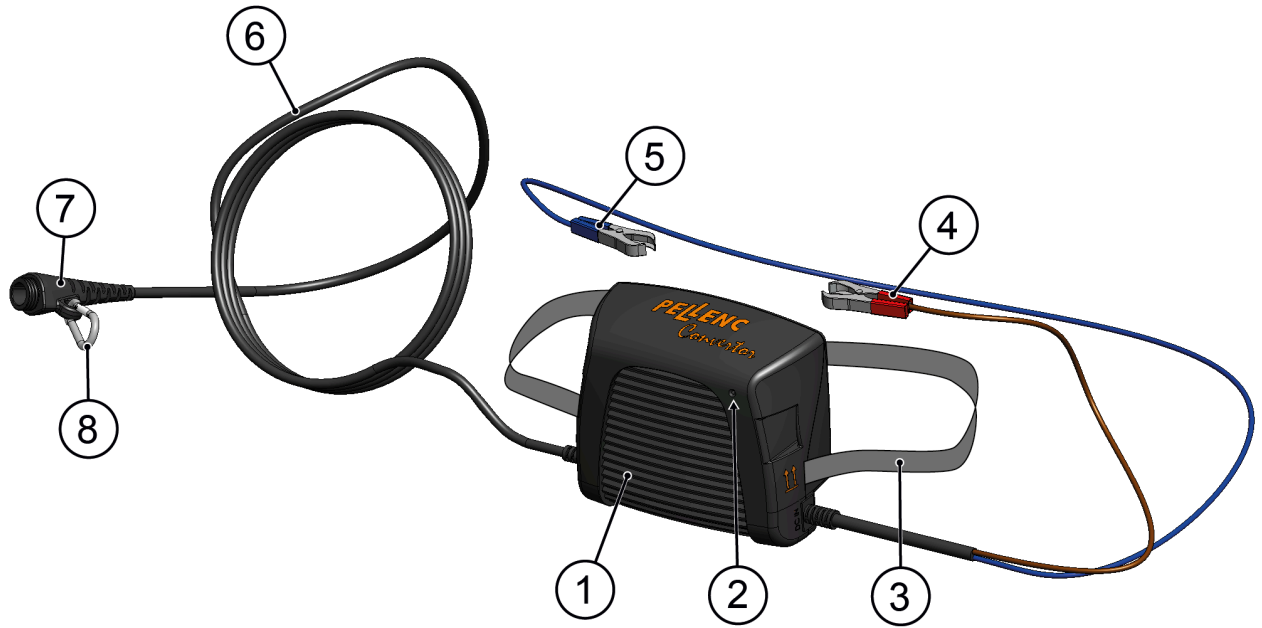
Equipment compliant with EC standards.



Equipment compliant with Moroccan standards.

**3. DESCRIPTION AND TECHNICAL CHARACTERISTICS**

**3.1. DESCRIPTION**



- |                             |                        |
|-----------------------------|------------------------|
| 1. Converter                | 6. Cord                |
| 2. Indicator light          | 7. Tool connector plug |
| 3. Strap                    | 8. Snap hook           |
| 4. Red alligator clip (+)   |                        |
| 5. Black alligator clip (-) |                        |

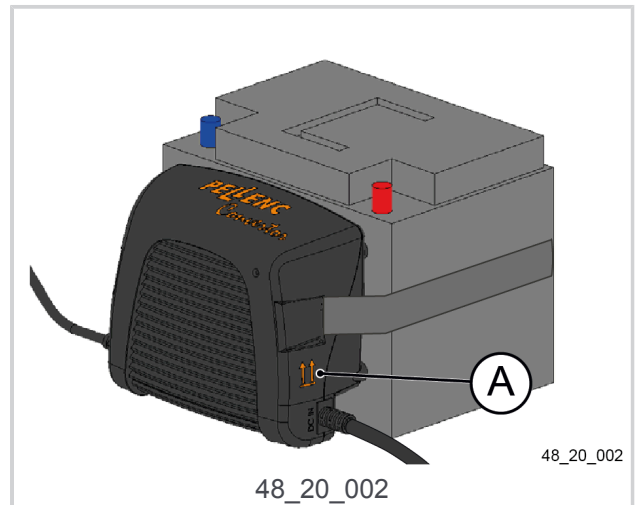
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**3.2. TECHNICAL CHARACTERISTICS**

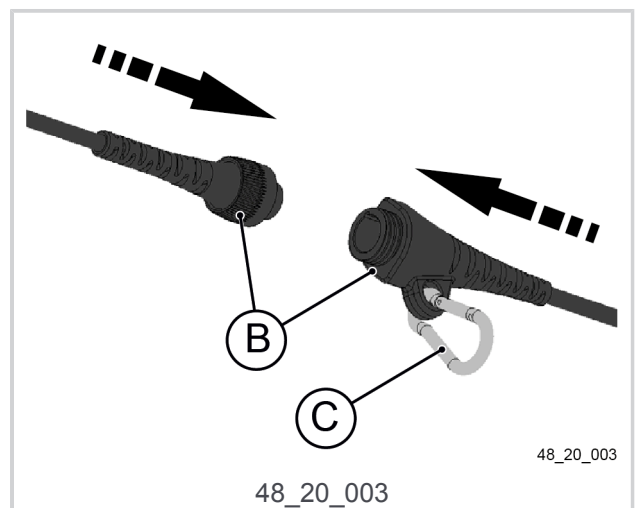
Rated battery voltage	12 V $\overline{\overline{=}}$
Output voltage	43 V $\overline{\overline{=}}$
Output current	4.5 A
Weight of the convertor unit	2.5 kg
Minimum battery capacity	60 Ah

## 4. COMMISSIONING

1. Remove the case from the packaging.
2. Fix the case vertically to the 12V battery using the strap provided. The arrows (mark A) must always point upwards.



3. Connect the tool's power cord to the connector plug of the casing (mark B).
4. Attach the cord's snap hook clasp (mark C) to your waist.





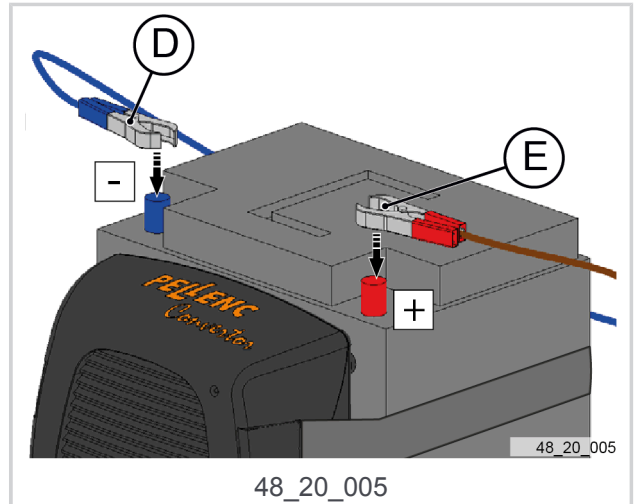
## 5. USING THE TOOL

### 5.1. START UP IN "PULSE" MODE (OLIVIUM ONLY)

**"Pulse" mode:** The tool operates only when the trigger is pressed. It stops operating when the trigger is released.

1. Put the tool in start-up position (please refer to the instructions of the tool concerned).
2. Connect the black alligator clip (mark D) to the negative (-) terminal of the battery.
3. Connect the red alligator clip (mark E) to the positive (+) terminal of the battery.

The tool is now powered up and ready to operate in ON/OFF mode.



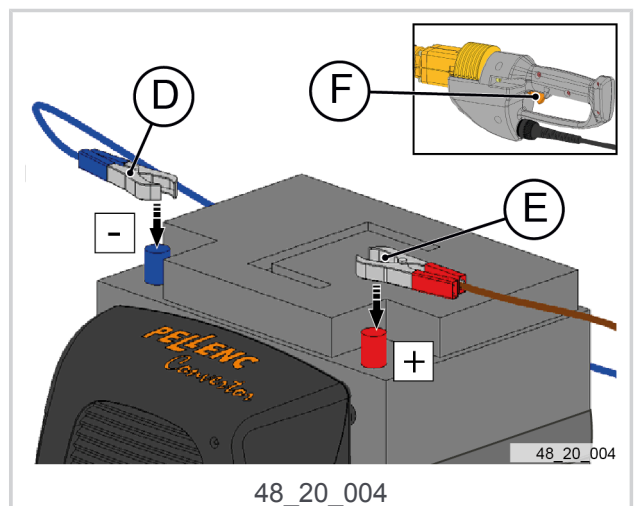
### 5.2. START-UP IN "CONTINUOUS" MODE

#### 5.2.1. OLIVIUM

**"Continuous" mode:** the tool starts with a single press of the trigger and does not stop unless the trigger is pressed again.

1. Connect the black alligator clip (mark D) to the negative (-) terminal of the battery.
2. Put the tool in start-up position (please refer to the instructions of the tool concerned).
3. Press the trigger of the tool (mark F) and with the other hand connect the red alligator clip (mark E) to the positive (+) terminal of the battery while keeping the trigger pressed.

The tool is now powered up and ready to operate in "Continuous" mode.



**5.2.2. OLIVION**

1. Put the tool in start-up position (please refer to the instructions of the tool concerned).
2. Connect the black alligator clip (mark D) to the negative (-) terminal of the battery.
3. Connect the red alligator clip (mark E) to the positive (+) terminal of the battery.

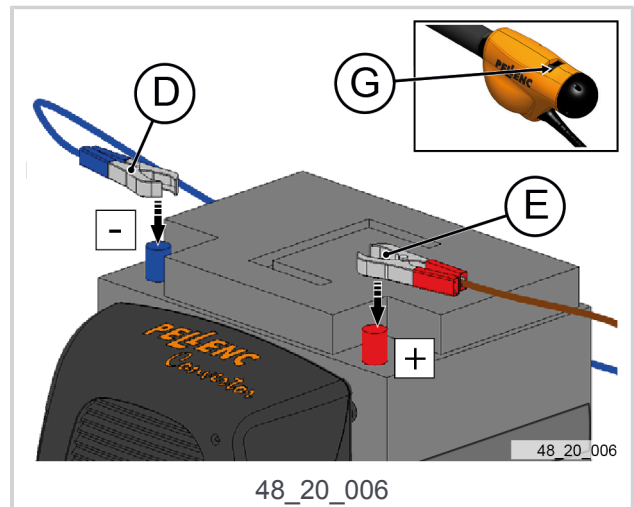
The tool is now powered up and ready to operate in "Continuous" mode.

4. Turn the tool's switch to "I" to start the tool (mark G)



**Warning**

Never operate the tool with the rake posed on the ground.



**5.3. INDICATOR LIGHT**

STATUS	MEANING
GREEN	Normal operation
RED	Battery voltage < 10V (discharged battery...) Battery voltage > 18V (poor battery, 24V...)
SWITCHED OFF	Alligator clips wrongly positioned Inverted polarities

## 6. WARRANTIES

### 6.1. GENERAL WARRANTIES

#### 6.1.1. STATUTORY WARRANTY

##### - 6.1.1.1. LATENT DEFECTS WARRANTY

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. "

##### - 6.1.1.2. 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 French Consumer Code "Goods are compliant with the contract":

1. Where they are fit for the purpose normally expected of similar goods and, where applicable:
  - If it matches the description given by the seller and possesses the qualities that were presented to the purchaser in the form of a sample or model;
  - If it possesses the qualities that a purchaser 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".

#### 6.1.2. COMMERCIAL WARRANTYPELLENC

##### - 6.1.2.1. CONTENT

###### 6.1.2.1.1. GENERAL INFORMATION

In addition to legal warranties, client users benefit from the commercial warranty on products PELLENC covering the exchange and replacement of parts recognised as being out of order, due to machining defects, assembly defects or material defects, whatever the cause.

The warranty is fully integral to the product sold by PELLENC.

###### 6.1.2.1.2. SPARE PARTS

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

**- 6.1.2.2. DURATION OF THE WARRANTY****6.1.2.2.1. 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.

**6.1.2.2.2. SPARE PARTS**

PELENC Replacement parts replaced under the product warranty are guaranteed under the commercial warranty as from delivery of the PELENC product to the customer user 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 PELENC battery, parts that are replaced under the product warranty after the 12th month of use, are covered for a period of one (1) year.

**6.1.2.2.3. 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.

**- 6.1.2.3. IMPLEMENTATION OF THE COMMERCIAL WARRANTY****6.1.2.3.1. 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](http://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 commercial warranty PELENC 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.

**6.1.3. PAID AFTER-SALES SERVICE****- 6.1.3.1. 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.

**- 6.1.3.2. WEAR PARTS AND CONSUMABLES**

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

**- 6.1.3.3. 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.

**7. COMPLIANCE STATEMENTS**

**7.1. "EC" DECLARATION OF CONFORMITY: CONVERTOR 12V/43V**

MANUFACTURER	PELENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

ENTITY AUTHORIZED TO COMPILE THE TECHNICAL FILE	PELENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

We hereby declare that the machine referred to below as:

GENERIC DENOMINATION	12VDC / 45VDC convertor
FUNCTION	Provide a 43 VDC power supply from a 12 VDC battery
COMMERCIAL NAME	CONVERTOR
TYPE	12V/43V CONVERTOR
MODEL	12V/43V CONVERTOR
SERIAL No.	48U00001 - 48U49999 48V00001 - 48V49999 48W00001 - 48W49999

Is in conformity with the following other directives and/or relevant provisions:

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

The following harmonised european standards were used:

- EN 55014-1: 2017
- EN 55014-2: 2015

SIGNED IN PERTUIS, DATED 30/09/2020

JEAN-MARC GIALIS

CEO





# **PELLENC**

   [www.pellenc.com](http://www.pellenc.com)

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