

# PELLENC

## CATALOGUE

### 2019/2020





# ENVIRONMENT

## A DEMANDING ENVIRONMENTAL POLICY FOR THE LONG TERM

PELLENC undertakes a drive for sustainable-development by limiting the impact of its activities on the environment. The group is incorporating this idea across the board, from product design onwards.

PELLENC's environmental policy has the aim of reducing the impact of its activities on the environment, evaluating its development across the whole lifecycle of its products from the design stage onwards.

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## PRODUCTS DESIGNED FOR LOW ENVIRONMENTAL IMPACT FROM THE OUTSET

As part of its overall corporate policy, PELLENC takes an active role in environmental protection and the smooth running of the circular economy.

As a manufacturer and industrial company, we strive every day to limit our manufacturing and packaging waste, optimise our logistics, and finally save natural resources by choosing lithium-ion for our batteries.

Our range of portable power tools have minimal CO2 emissions. Eager to ensure continuing innovation in the design of our range of portable power tools up to the end of their service life, and subject to WEEE (Waste Electronic and Electrical Equipment) regulations, we have joined two government-approved organisations to create a partnership with our network for recovering tools and batteries at the end of their service life.

## OFFERING “ZERO EMISSIONS” BATTERY-POWERED TOOLS

Trailblazer for brushless motors and lithium-ion technology, in the last decade PELLENC has made massive investments to design, develop, and manufacture a full range of “zero emissions” portable power tools for maintaining green spaces and urban landscapes, fruit and olive tree-growing, and wine-growing. The aim was to offer a range of tools offering the same levels of performance (power, battery life, etc.) as their petrol equivalents, but without direct CO2 emissions and with noise levels below the legal thresholds requiring the wearing of ear protection.

PELLENC has produced a carbon report for its portable power tools, meeting ADEME recommendations, in order to measure their direct and indirect greenhouse gas (GHG) emissions and compare them with the equivalent petrol tools. The results are striking: compared to equivalent petrol-fuelled tools, PELLENC portable power tools emit 120 times less greenhouse gas simply because they consume only electrical power.

CARBON FOOTPRINT	PETROL CHAINSAW	SELION + ULIB BATTERY	SELION + SOLERION
	DIRECT EMISSIONS + PETROL PRODUCTION	DIRECT EMISSIONS + ELECTRICITY PRODUCTION	DIRECT EMISSIONS
Carbon equivalent / hour (CO2)	4,084 g	34 g	0 g
Carbon equivalent / day (CO2)	24.5 kg	0.204 kg	0 kg
Carbon equivalent / year (CO2)	4,900 metric tons*	0.040 metric tons	0 metric tons

## REDUCING NOISE POLLUTION

PELLENC portable power tools comply with the directives:

- N° 2003/10/CE relating to minimum health and safety provisions on workers’ exposure to risks from physical agents (noise);

- 2000/14/CE, on noise emissions from equipment used outside buildings.

PELLENC portable power tools run on electricity, with brushless motors. This makes them among the quietest tools on the market, in contrast to petrol tools. PELLENC’s electrical technology reduces the number of components in the tools (no clutch) as well as the movement of mechanical parts, thus reducing noise emissions. Moreover, and unlike petrol motors which operate continuously, the PELLENC brushless motor comes to a complete stop between two work cycles. So, even its low noise emissions are limited during cutting; good for the user and the neighbourhood.

PELLENC tools have noise levels below the threshold set by European standards to require the wearing of hearing protection (<85 dB).



## PRIZE FOR MAJOR COMPANIES

In 2014, PELLENC was rewarded by the Minister for the Environment and Sustainable Development and by ADEME in the “Eco-product for sustainable development” category.



## GOLDEN DECIBEL

awarded to the Airion in 2011 by the French National Noise Council.

SELION PRUNER



**64** x **LESS NOISE**

than a petrol chainsaw of equivalent power.



## ULIB 1200 AND 1500

### A NEW ERA FOR ELECTRICAL POWER

The ULiB 1200 and 1500 batteries have been designed to meet the needs of professionals for performance, comfort, and durability.

In partnership with gardening professionals, PELLENC has designed the 1200 and 1500 batteries to guarantee performance, ergonomics, and battery-life that revolutionise the gardening profession.

*SETT d'Or for the  
1500 battery  
and its comfort  
harness  
SETT - 2017*

*Winner of the Vehi-  
cles/Maintenance  
category for the  
1500 and 1200  
batteries and  
comfort harnesses  
SMCL - 2017*



*Winner of the  
"Sustainable Deve-  
lopment" category  
for the 1500 battery  
and its comfort  
harness  
PAYSALIA - 2017*

## ULIB 1200 AND 1500 ESSENTIALS



PRODUCTIVE



ERGONOMIC



DURABLE



COST-EFFECTIVE



### PRODUCTIVE

- Highest stored-energy capacity on the market.
- Compatibility: Can be used with all the products in the PELLENC portable power tools range.
- Suitable for use in all weather conditions with IP54 sealing.
- Instant start-up in all weather conditions.
- 50% longer battery life for the 1500 battery and 20% longer battery life for the 1200 compared to the ULiB 1100

> With the UliB 1500: up to 5 hours of work in real-life conditions with the RASION range of mowers

> Up to 6 hours working time in real-life conditions with the AIRION 3 blower



### ERGONOMIC

- Easy Clip system: can be easily clipped and unclipped on all supports: adapter plate for 1100-700 and new generation comfort harness for carrying.
- Compact, allowing freedom of movement and optimal work quality.
- Easy to carry, with its ergonomically-designed handle.
- Tool connection at the top or the bottom.
- Double on/off buttons.
- Back-lit battery-life display.
- Visible at night or in poor weather conditions with four reflectors and flashing display.

### DURABLE

- Very high-capacity lithium-ion cells tested in severe working conditions.
- Over 1,300 charge cycles\*, service life longer than 5 years (one cycle corresponds to one full charge and one full discharge).
- 80% recyclable battery.
- Battery retrieved, recycled, and recovered by the competent eco-organisations.
- \* With PELLENC, the number of cycles corresponds to the moment when the battery has lost 20% of its capacity. It can still be used nonetheless.

### COST-EFFECTIVE

- Daily cost €0.21\* (excl. VAT).
- Throughout its service life, the 1500 battery provides power equivalent to 7,000 litres of petrol and 135 litres of blending oil.
- \*rate corresponding to the cost of €0.14 kWh in France.

**3-YEAR WARRANTY**  
ON PELLENC BATTERIES



## PELENC ADVANTAGES



Easy Clip system: fasten and release the battery with one hand



Ultracompact cell assembly system

Tool connector with protected contacts

Ergonomic handle, easy to transport  
Quick-clip system on harness



Tool connector with protected pins.



**Natural ventilation 360°**  
Sealed ventilation system. Natural ventilation of the battery cells delivers maximum efficiency.

PELENC patent

PELENC patent

Charge



### BATTERY DISPLAY

- Back-lighting**
- Scroll buttons
  - Power "On" indicator
  - % charge remaining
  - Charging underway/ completed
  - Hour counter for each tool

Upper ON/OFF button

Backlit screen

Maximum efficiency thanks to natural ventilation of the cells

Lower ON/OFF button

Two accessible power buttons



**Reversible battery on its comfort harness**  
Tool connection at the top or the bottom.

NEW

The 1200 battery replaces the 1100 battery.

## TECHNICAL FEATURES

	ULiB 1500 BATTERY		ULiB 1200 BATTERY	
Weight without harness - kg	7.5		6.3	
Harness weight - kg	1.5		1.5	
Power available - W/h	1,527		1,221	
Compatible chargers	3.3 A charger	Quick charger	3 A charger	Quick charger
Recharging to 100%	12 hrs.	7 hrs.	10 hrs.	5 hrs. 30 min.
Recharging to 90%	10 hrs. 30 min.	5 hrs.	8 hrs. 30 min.	4 hrs.
Voltage - V	43.6		43.6	
Battery life	+ 50% / 1100 battery		+ 20% / 1100 battery	
Sealing	IP54		IP54	

# 1200 AND 1500 HARNESS

A COMFORTABLE HARNESS  
TO AID EFFICIENCY

**Conceived and designed to adapt to all body types and working habits, the PELLENC battery carrying harness enables the user to keep working over a long period while retaining freedom of movement.**

PELENC strives to design its tools to reduce the strain of work. So it was only natural to incorporate into the harness design all possible features to lighten, assist and optimise the work of the operator. Designed in partnership with experts in extreme hiking, the PELLENC battery harness helps make work more pleasant.



*Winner of the  
Vehicles/Maintenance category for  
the 1500 and 1200  
batteries and com-  
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## 1200 AND 1500 HARNESSES ESSENTIALS



ERGONOMIC



ADAPTABLE



TOUGH



PATENTED



### ERGONOMIC

- The weight is perfectly distributed over the key back support areas: 70% of the weight rests on the hips, with only 30% on the shoulders.

- The intuitively adjustable settings of the entire carrying system, from the straps to the metal backbone, can be reconfigured to suit any body shape and working style. Can be adjusted to 7 levels, high battery carrying position recommended.

- Back pivot designed to leave the shoulders completely free to move.

- The battery quickly clips onto its support.

- Unparalleled comfort, allowing longer working time.

- Designed to be carried for several hours.



Designed in partnership with extreme hiking professionals.



### ADAPTABLE

- Connector compatible with all PELLENC tools.

- Can be adapted to the PELLENC 700 and 1100 batteries.

### TOUGH

- Designed for intensive professional use.

- Assists professionals over long work sessions.

- Belt composed of a thick, uniform, foam block, reducing wear.

### PATENTED

#### 3 patents:

- Overall design of the carrying system.

- Sliding chest loop, adjustable up or down, suitable for women.

- X-shape belt configuration: optimal thickness for perfect size matching.





## PELENC ADVANTAGES

### Control strap



These are optimised to improve user comfort, holding the battery securely on the back, and reducing the load on the lower back.

Support for quick connector or ram loop for cable routing

### Stand



The stand allows you to place your harness with its battery on the ground in an upright position in order to sustainably protect the battery from potential impacts on the ground.

### Metal backbone



It slides to allow the user to adjust the position of the battery to seven different levels on the harness. Adapts to all body types and working habits (operator in a standing or leaning position).

### Ram loop



To hold the cable within reach. Clips onto either the right or left brace.

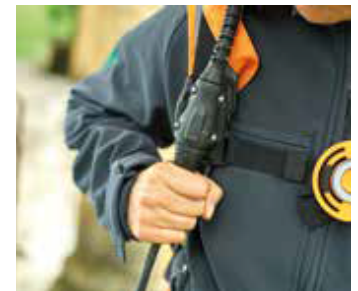
Control straps for holding the battery securely on the back

Chest strap compatible with the brush cutter and blower

PELENC patent

PELENC patent  
Overall design

### Quick connector



Extension strap for adjusting the battery weight on the hips

X-shaped extra thick belt for all body types with quick clamping/release

PELENC patent



### Adjustable battery height

Ergonomic lever for easy sliding of the harness to seven different levels.

## TECHNICAL FEATURES

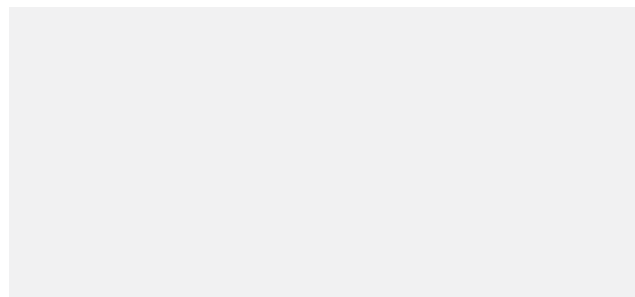
	CARRYING
Weight - kg	1.5
Battery compatibility	1500 and 1200 batteries Adapter plate for 700 and 1100 batteries
Harness adapter kits	AIRION 3 strap and EXCELIION 2000 carrying strap



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