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# Product Environmental Profile

## Single-phase with attached cable charging stations Green'up™ Home for electric vehicles

## LEGRAND'S ENVIRONMENTAL COMMITMENTS

▪ **Incorporate environmental management into our industrial sites**
Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).

▪ **Offer our customers environmentally friendly solutions**
Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.

▪ **Involve the environment in product design and provide informations in compliance with ISO 14025**
Reduce the environmental impact of products over their whole life cycle.
Provide our customers with all relevant information (composition, consumption, end of life, etc.).

## REFERENCE PRODUCT

| | |
|---|---|
| **Function** | Supply 1 kWh to one vehicle in accordance with the reference use scenario at the charging point. |
| **Reference Product** |  |
| | Cat. num. 057051 |
| | Residential charging stations Green'up™ Home for the charge of electric vehicles.<br>Mode 3 (cable and vehicle connector permanently attached to the EV charging station) - 7,4kW 32A single-phase AC.<br>Product Family: active product.<br>Charging station type: Wall-mounted box (Wallbox) operating on alternating current (AC).<br>Installation type: indoor and outdoor wall installation (garages, covered shelters, or outdoor spaces). Recommended for individual residential installations.<br>Charging type: normal.<br>Number of charging points: 1 socket outlet type T2S.<br>Charging mode : mode 3.<br>Reference power : 32 A - 230 V – 7,4 kW – single-phase.<br>Current type: AC.<br>Lifespan: 10 years.<br>The elements for connection to the electrical network and the ethernet network are excluded (cable/protection/...)<br>The charging station includes:<br>- 1 detecting device 6mA DC,<br>- 1 connection to the home's IP network (ethernet or Wifi) to make the station connected to the Smartphone application.<br>Calculation of the environmental impact at the functional unit (FU) scale: « Environmental impacts of the PEP (for 1 kWh) = Environmental impacts of the reference product / Quantity of energy delivered to one or more vehicles by the EVSE over its Reference Life Time. »<br>Declared Unit: « Ensure the charging of electric or plug-in hybrid vehicles through a charging point for a Reference Life Time of 10 years.»<br>Conversion factors between declared unit and Functional Unit = 1 / (28,251 kWh * 1 charging point) = 3.54E-05. |



## PRODUCTS CONCERNED

The environmental data is representative of the following products:

| Catalogue numbers |
|---|
| 057041, 057051 |

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PEP ecopassport®

## CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market.
It respects the restrictions on use of hazardous substances as defined in the RoHS directive 2011/65/EU amended by delegated directive (EU) 2015/863, and its amendment 2017/2102/EU.

| | |
|---|---|
| **Total weight of Reference Product** | **7,62 kg** (all packaging included) |

| **Product alone weight : 5,56 kg** | | | | | |
|---|---|---|---|---|---|
| **Plastics as % of weight** | | **Metals as % of weight** | | **Other as % of weight** | |
| Polycarbonate | 25,0 % | Steel | 3,2 % | External electric cables | 28,4 % |
| Polyamide | 2,5 % | Copper and copper alloys | 1,0 % | Electronic cards | 8,4 % |
| ABS | 1,4 % | Other metals | 0,1 % | Cables / Electrical wires | 1,7 % |
| Rubber | 0,4 % | | | | |
| PBT | 0,4 % | | | | |
| Other plastics | 0,5 % | | | | |

| **Packaging (alone) : 2,06 kg** | | | | | |
|---|---|---|---|---|---|
| | | | | Cardboard | 19,6 % |
| | | | | Wood | 6,6 % |
| | | | | Paper | 0,8 % |
| **Total plastics : 2,30 kg** | **30,2 %** | **Total metals : 0,33 kg** | **4,3 %** | **Total others : 4,98 kg** | **65,5 %** |

At the date of edition of this document, the content of recycled material(s) is :

- Product alone (excluding packaging): 2 % by mass
- Packaging only: 75 % by mass

## MANUFACTURE

This Reference Product comes from a site that has received ISO14001 certification.
The final assembly site is located in Keila, Estonia.

## DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. The Reference Product is therefore transported over an average distance of 1325 km by road from our warehouse to the local point of distribution into the European market.

Packaging is compliant with with European directive 2004/12/EU concerning packaging and packaging waste.

## INSTALLATION

For the installation of the product, only standard tools are needed.

## USE

Under normal conditions of use, this product requires no servicing, no maintenance or additional products.

## END OF LIFE

The product end of life factors are taken into account during the design phase. Dismantling and sorting of components or materials is made as easy as possible with a view to recycling or, failing that, another form of reuse. This product falls within the scope of the WEEE Directive (2012/19/EU). Therefore it must be processed through local WEEE recycling/recovery channels.

**▪ Elements to process specifically:**

The following elements may be subject to specific treatments in appropriate channels to reduce the environmental impact of the end of product life:

- Electronic cards > 10cm²: 642 g

**▪ Extended producer responsability**

The sale of this product is subject to a contribution to eco-organisations in each country responsible for managing end of life products in the field of application of the European Waste Electronic and Electrical Equipment Directive (WEEE).

## ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: Manufacturing, Distribution, Installation, Use and End of Life. It is representative from products marketed and used in Europe, in compliance with the local current standards.
The datasets collected in this PEP are representative of the year 2025.

For each phase, the following modelling elements were taken in account:

| | | |
|---|---|---|
| **System Limit** | **Manufacture A1-A3** | Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing. |
| | **Distribution A4** | Transport between the last Group distribution centre and an average delivery point in the sales area. |
| | **Installation A5** | The end of life of the packaging. |
| | **Use B1-B7** | ▪ Product category: Private or semi-public terminal: AC wallbox according to PSR-0018-ed1.2-EN-2024 09 26.<br>▪ Use scenario: Reference Life Time of the charging station: 10 years<br>Average daily travel: 43 km/day of which 90% are charged on private stations meaning 38,7 km<br>Number of charges: 2 charges per week<br>Effective charge time (function of the power supplied): 3,87 hours at 7 kW<br>Average time plugged in = 12 h<br>Average quantity of electricity supplied for a charging point over the Reference Life Time, considering an electrical need of the vehicle of 20 kWh/100 km or 28,251 kWh supplied for charging point over the Reference Life Time<br>▪ Energy model: Electricity Mix_Low voltage_2020_Europe_EU-27 |
| | **End of life C1-C4** | The default end of life scenario maximizing the impacts. |
| **D Module** | | Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario.<br>It expresses the net benefits and burdens beyond the boundaries of the system, and are not to be included in the life cycle totals. |
| **Software and data-base used** | | EIME V6 and its CODDE-2024-06-11 database<br>The set of indicators used is Indicators for PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0 |

Unless otherwise indicated the modelling energetic mix are those integrated in the data modules used from the aformentioned database.

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# Product Environmental Profile

## Single-phase with attached cable charging stations Green'up™ Home for electric vehicles

PEP ecopassport®

## ENVIRONMENTAL IMPACTS

Environmental impacts per kWh correspondent to the Functional Unit.

| | Total Life Cycle | | Manufacturing | Distribution | Installation | Use[1] | | | End of Life | Module D |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A1-A3 | A4 | A5 | Total B1-B7 | B2 | B6 | C1-C4 | |
| **Climate change - total** | **6.99E-03** | **kg $CO_2$ eq.** | 1.46E-03 | 1.74E-05 | 5.93E-05 | 5.39E-03 | 0.00E+00 | 5.39E-03 | 7.00E-05 | -7.34E-05 |
| **Climate change - fossil fuels** | **7.01E-03** | **kg $CO_2$ eq.** | 1.49E-03 | 1.74E-05 | 6.17E-06 | 5.38E-03 | 0.00E+00 | 5.38E-03 | 6.96E-05 | 3.97E-06 |
| **Climate change - biogenics** | **-2.02E-05** | **kg $CO_2$ eq.** | -3.67E-05 | 0.00E+00 | 0.00E+00 | 9.91E-06 | 0.00E+00 | 9.91E-06 | 3.93E-07 | -7.74E-05 |
| **Climate change - land use and land use transformation** | **1.02E-07** | **kg $CO_2$ eq.** | 1.02E-07 | 0.00E+00 | 8.29E-13 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0* | 0.00E+00 |
| **Ozone depletion** | **2.22E-10** | **kg CFC-11 eq.** | 1.92E-10 | 2.67E-14 | 1.97E-07 | 2.61E-11 | 0.00E+00 | 2.61E-11 | 3.22E-12 | -2.08E-12 |
| **Acidification (AP)** | **4.25E-05** | **mole of H+ eq.** | 1.41E-05 | 1.10E-07 | 8.94E-10 | 2.76E-05 | 0.00E+00 | 2.76E-05 | 4.53E-07 | -8.57E-07 |
| **Freshwater eutrophication** | **3.89E-08** | **kg P eq.** | 1.32E-08 | 6.52E-12 | 8.59E-08 | 1.42E-08 | 0.00E+00 | 1.42E-08 | 1.06E-08 | 7.85E-10 |
| **Marine aquatic eutrophication** | **4.76E-06** | **kg of N eq.** | 1.15E-06 | 5.16E-08 | 6.20E-07 | 3.36E-06 | 0.00E+00 | 3.36E-06 | 1.12E-07 | 4.74E-08 |
| **Terrestrial eutrophication** | **6.88E-05** | **mole of N eq.** | 1.22E-05 | 5.66E-07 | 1.43E-07 | 5.40E-05 | 0.00E+00 | 5.40E-05 | 1.39E-06 | 2.06E-07 |
| **Photochemical ozone formation** | **1.57E-05** | **kg NMVOC eq.** | 4.51E-06 | 1.43E-07 | 1.63E-12 | 1.06E-05 | 0.00E+00 | 1.06E-05 | 3.33E-07 | -2.74E-08 |
| **Depletion of abiotic resources - elements** | **8.28E-07** | **kg Sb eq.** | 8.26E-07 | 0* | 0* | 1.91E-09 | 0.00E+00 | 1.91E-09 | 3.46E-10 | -2.03E-07 |
| **Depletion of abiotic resources - fossil fuels** | **1.70E-01** | **MJ** | 3.11E-02 | 2.43E-04 | 4.79E-06 | 1.36E-01 | 0.00E+00 | 1.36E-01 | 2.35E-03 | -1.33E-03 |
| **Water requirement** | **2.09E-03** | **$m^3$ deprivation worldwide eq.** | 1.66E-03 | 0* | 1.21E-12 | 4.13E-04 | 0.00E+00 | 4.13E-04 | 1.90E-05 | -7.17E-05 |
| **Emission of fine particles** | **3.18E-10** | **incidence of diseases** | 9.07E-11 | 8.96E-13 | 9.82E-06 | 2.22E-10 | 0.00E+00 | 2.22E-10 | 2.95E-12 | -5.60E-12 |

*Represents less than 0.01% of the total life cycle of the reference flow
[1] For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table
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PEP ecopassport®

| | Total Life Cycle | | Manufacturing | Distribution | Installation | Use[1] | | | End of Life | Module D |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A1-A3 | A4 | A5 | Total B1-B7 | B2 | B6 | C1-C4 | |
| **Ionizing radiation, human health** | **2.51E-02** | **kBq of U235 eq.** | 1.74E-02 | 0* | 8.72E-04 | 7.74E-03 | 0.00E+00 | 7.74E-03 | 1.58E-05 | -5.99E-04 |
| **Ecotoxicity (fresh water)** | **2.19E-01** | **CTUe** | 2.07E-01 | 0* | 7.18E-12 | 1.02E-02 | 0.00E+00 | 1.02E-02 | 1.56E-03 | 1.08E-03 |
| **Human toxicity, carcinogenic effects** | **2.77E-11** | **CTUh** | 1.98E-11 | 0* | 1.91E-13 | 6.77E-13 | 0.00E+00 | 6.77E-13 | 4.37E-14 | 5.53E-12 |
| **Human toxicity, non-carcinogenic effects** | **1.83E-10** | **CTUh** | 1.66E-10 | 0* | 1.79E-07 | 1.62E-11 | 0.00E+00 | 1.62E-11 | 1.51E-12 | -2.32E-11 |
| **Impacts related to land use/soil quality** | **1.18E-03** | **-** | 9.98E-04 | 0.00E+00 | 8.29E-05 | 1.49E-04 | 0.00E+00 | 1.49E-04 | 3.25E-05 | -2.09E-08 |
| **Use of renewable primary energy, excluding renewable primary energy resources used as raw materials** | **3.74E-02** | **MJ** | 1.26E-03 | 0* | 0.00E+00 | 3.60E-02 | 0.00E+00 | 3.60E-02 | 5.42E-05 | -2.45E-04 |
| **Use of renewable primary energy resources used as raw materials** | **5.60E-04** | **MJ** | 5.60E-04 | 0.00E+00 | 8.29E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.71E-04 |
| **Total use of renewable primary energy resources** (primary energy and primary energy resources used as raw materials) | **3.79E-02** | **MJ** | 1.82E-03 | 0* | 6.57E-04 | 3.60E-02 | 0.00E+00 | 3.60E-02 | 5.42E-05 | 7.26E-04 |
| **Use of non-renewable primary energy,** excluding non-renewable primary energy resources used as raw materials | **1.66E-01** | **MJ** | 2.70E-02 | 2.43E-04 | 0.00E+00 | 1.36E-01 | 0.00E+00 | 1.36E-01 | 2.35E-03 | -1.30E-03 |
| **Use of non-renewable primary energy resources used as raw materials** | **4.08E-03** | **MJ** | 4.08E-03 | 0.00E+00 | 6.57E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | -2.92E-05 |
| **Total use of non-renewable primary energy resources** (primary energy and primary energy resources used as raw materials) | **1.70E-01** | **MJ** | 3.11E-02 | 2.43E-04 | 0.00E+00 | 1.36E-01 | 0.00E+00 | 1.36E-01 | 2.35E-03 | -1.33E-03 |

*Represents less than 0.01% of the total life cycle of the reference flow
[1] For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table
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| | Total du Cycle de Vie | | Fabrication | Distribution | Installation | Utilisation[1] | | | Fin de vie | Module D |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A1-A3 | A4 | A5 | Total B1-B7 | B2 | B6 | C1-C4 | |
| **Use of secondary materials** | **4.07E-05** | **kg** | 4.07E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Use of renewable secondary fuels** | **0.00E+00** | **MJ** | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Use of non-renewable secondary fuels** | **0.00E+00** | **MJ** | 0.00E+00 | 0.00E+00 | 1.12E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Net use of fresh water** | **4.89E-05** | **m³** | 3.86E-05 | 0* | 1.89E-06 | 9.69E-06 | 0.00E+00 | 9.69E-06 | 4.62E-07 | -1.67E-06 |
| **Hazardous waste disposed of** | **1.58E-02** | **kg** | 1.54E-02 | 0.00E+00 | 2.13E-05 | 2.36E-04 | 0.00E+00 | 2.36E-04 | 1.34E-04 | -3.51E-03 |
| **Non-hazardous waste disposed of** | **1.96E-03** | **kg** | 1.02E-03 | 6.11E-07 | 3.28E-09 | 9.09E-04 | 0.00E+00 | 9.09E-04 | 8.46E-06 | -2.84E-06 |
| **Radioactive waste disposed of** | **1.80E-06** | **kg** | 1.58E-06 | 4.35E-10 | 0.00E+00 | 2.09E-07 | 0.00E+00 | 2.09E-07 | 4.85E-09 | 1.27E-08 |
| **Components for re-use** | **0.00E+00** | **kg** | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Materials for recycling** | **1.25E-05** | **kg** | 2.82E-06 | 0.00E+00 | 4.39E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.66E-06 | 0.00E+00 |
| **Materials for energy recovery** | **4.39E-06** | **kg** | 0* | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Exported energy** | **0.00E+00** | **MJ by energy vector** | 0.00E+00 | 0.00E+00 | 7.39E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Total use of primary energy during the life cycle** | **2.08E-01** | **MJ** | 3.29E-02 | 2.43E-04 | 0.00E+00 | 1.72E-01 | 0.00E+00 | 1.72E-01 | 2.40E-03 | -6.03E-04 |

| | | | |
|---|---|---|---|
| **Biogenic carbon content of the product** | **0.00E+00** | **kg of C** | 0.00E+00 |
| **Biogenic carbon content of the associated packaging** | **2.68E-05** | **kg of C** | 2.68E-05 |

*Represents less than 0.01% of the total life cycle of the reference flow

[1] For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

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The values of the indicators defined in the PCR-ed4-EN-2021 09 06 are available in the digital database of pep-ecopassport.org website.

The environmental impacts per kWh correspond to the Functional Unit.

To obtain the values of the environmental impacts of the products concerned other than the Reference Product, take the same values of those of the Reference Product.

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# Product Environmental Profile

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PEP ecopassport®

## ENVIRONMENTAL IMPACTS

Environmental impacts per product.

| | Total Life Cycle | | Manufacturing | Distribution | Installation | Use[1] | | | End of Life | Module D |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A1-A3 | A4 | A5 | Total B1-B7 | B2 | B6 | C1-C4 | |
| **Climate change - total** | **1.98E+02** | **kg $CO_2$ eq.** | 4.11E+01 | 4.91E-01 | 1.85E+00 | 1.52E+02 | 0.00E+00 | 1.52E+02 | 1.98E+00 | -2.07E+00 |
| **Climate change - fossil fuels** | **1.98E+02** | **kg $CO_2$ eq.** | 4.21E+01 | 4.91E-01 | 1.67E+00 | 1.52E+02 | 0.00E+00 | 1.52E+02 | 1.97E+00 | 1.12E-01 |
| **Climate change - biogenics** | **-5.70E-01** | **kg $CO_2$ eq.** | -1.04E+00 | 0.00E+00 | 1.74E-01 | 2.80E-01 | 0.00E+00 | 2.80E-01 | 1.11E-02 | -2.19E+00 |
| **Climate change - land use and land use transformation** | **2.88E-03** | **kg $CO_2$ eq.** | 2.88E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0* | 0.00E+00 |
| **Ozone depletion** | **6.28E-06** | **kg CFC-11 eq.** | 5.42E-06 | 7.53E-10 | 2.34E-08 | 7.37E-07 | 0.00E+00 | 7.37E-07 | 9.09E-08 | -5.89E-08 |
| **Acidification (AP)** | **1.20E+00** | **mole of H+ eq.** | 3.99E-01 | 3.11E-03 | 5.57E-03 | 7.80E-01 | 0.00E+00 | 7.80E-01 | 1.28E-02 | -2.42E-02 |
| **Freshwater eutrophication** | **1.10E-03** | **kg P eq.** | 3.74E-04 | 1.84E-07 | 2.53E-05 | 4.01E-04 | 0.00E+00 | 4.01E-04 | 2.98E-04 | 2.22E-05 |
| **Marine aquatic eutrophication** | **1.34E-01** | **kg of N eq.** | 3.24E-02 | 1.46E-03 | 2.43E-03 | 9.50E-02 | 0.00E+00 | 9.50E-02 | 3.17E-03 | 1.34E-03 |
| **Terrestrial eutrophication** | **1.94E+00** | **mole of N eq.** | 3.45E-01 | 1.60E-02 | 1.75E-02 | 1.53E+00 | 0.00E+00 | 1.53E+00 | 3.93E-02 | 5.83E-03 |
| **Photochemical ozone formation** | **4.44E-01** | **kg NMVOC eq.** | 1.27E-01 | 4.04E-03 | 4.03E-03 | 2.99E-01 | 0.00E+00 | 2.99E-01 | 9.41E-03 | -7.74E-04 |
| **Depletion of abiotic resources - elements** | **2.34E-02** | **kg Sb eq.** | 2.33E-02 | 0* | 0* | 5.38E-05 | 0.00E+00 | 5.38E-05 | 9.78E-06 | -5.74E-03 |
| **Depletion of abiotic resources - fossil fuels** | **4.81E+03** | **MJ** | 8.77E+02 | 6.86E+00 | 1.85E+01 | 3.84E+03 | 0.00E+00 | 3.84E+03 | 6.63E+01 | -3.76E+01 |
| **Water requirement** | **5.92E+01** | **$m^3$ deprivation worldwide eq.** | 4.68E+01 | 0* | 1.35E-01 | 1.17E+01 | 0.00E+00 | 1.17E+01 | 5.37E-01 | -2.03E+00 |
| **Emission of fine particles** | **8.98E-06** | **incidence of diseases** | 2.56E-06 | 2.53E-08 | 3.43E-08 | 6.27E-06 | 0.00E+00 | 6.27E-06 | 8.33E-08 | -1.58E-07 |

*Represents less than 0.01% of the total life cycle of the reference flow
[1] For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table
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PEP ecopassport®

| | Total Life Cycle | | Manufacturing | Distribution | Installation | Use[1] | | | End of Life | Module D |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A1-A3 | A4 | A5 | Total B1-B7 | B2 | B6 | C1-C4 | |
| **Ionizing radiation, human health** | **7.10E+02** | **kBq of U235 eq.** | 4.90E+02 | 0* | 2.78E-01 | 2.19E+02 | 0.00E+00 | 2.19E+02 | 4.46E-01 | -1.69E+01 |
| **Ecotoxicity (fresh water)** | **6.19E+03** | **CTUe** | 5.84E+03 | 0* | 2.46E+01 | 2.87E+02 | 0.00E+00 | 2.87E+02 | 4.39E+01 | 3.06E+01 |
| **Human toxicity, carcinogenic effects** | **7.82E-07** | **CTUh** | 5.58E-07 | 0* | 2.03E-07 | 1.91E-08 | 0.00E+00 | 1.91E-08 | 1.23E-09 | 1.56E-07 |
| **Human toxicity, non-carcinogenic effects** | **5.18E-06** | **CTUh** | 4.68E-06 | 0* | 5.40E-09 | 4.57E-07 | 0.00E+00 | 4.57E-07 | 4.26E-08 | -6.56E-07 |
| **Impacts related to land use/soil quality** | **3.33E+01** | **-** | 2.82E+01 | 0.00E+00 | 5.07E-03 | 4.21E+00 | 0.00E+00 | 4.21E+00 | 9.18E-01 | -5.91E-04 |
| **Use of renewable primary energy, excluding renewable primary energy resources used as raw materials** | **1.06E+03** | **MJ** | 3.56E+01 | 0* | 2.34E+00 | 1.02E+03 | 0.00E+00 | 1.02E+03 | 1.53E+00 | -6.92E+00 |
| **Use of renewable primary energy resources used as raw materials** | **1.58E+01** | **MJ** | 1.58E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.74E+01 |
| **Total use of renewable primary energy resources** (primary energy and primary energy resources used as raw materials) | **1.07E+03** | **MJ** | 5.15E+01 | 0* | 2.34E+00 | 1.02E+03 | 0.00E+00 | 1.02E+03 | 1.53E+00 | 2.05E+01 |
| **Use of non-renewable primary energy,** excluding non-renewable primary energy resources used as raw materials | **4.69E+03** | **MJ** | 7.62E+02 | 6.86E+00 | 1.85E+01 | 3.84E+03 | 0.00E+00 | 3.84E+03 | 6.63E+01 | -3.67E+01 |
| **Use of non-renewable primary energy resources used as raw materials** | **1.15E+02** | **MJ** | 1.15E+02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | -8.25E-01 |
| **Total use of non-renewable primary energy resources** (primary energy and primary energy resources used as raw materials) | **4.81E+03** | **MJ** | 8.77E+02 | 6.86E+00 | 1.85E+01 | 3.84E+03 | 0.00E+00 | 3.84E+03 | 6.63E+01 | -3.76E+01 |

*Represents less than 0.01% of the total life cycle of the reference flow

[1] For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

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# Product Environmental Profile

## Single-phase with attached cable charging stations Green'up™ Home for electric vehicles

| | Total du Cycle de Vie | | Fabrication | Distribution | Installation | Utilisation[1] | | | Fin de vie | Module D |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A1-A3 | A4 | A5 | Total B1-B7 | B2 | B6 | C1-C4 | |
| **Use of secondary materials** | **1.15E+00** | **kg** | 1.15E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Use of renewable secondary fuels** | **0.00E+00** | **MJ** | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Use of non-renewable secondary fuels** | **0.00E+00** | **MJ** | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Net use of fresh water** | **1.38E+00** | **m³** | 1.09E+00 | 0* | 3.15E-03 | 2.74E-01 | 0.00E+00 | 2.74E-01 | 1.31E-02 | -4.72E-02 |
| **Hazardous waste disposed of** | **4.47E+02** | **kg** | 4.36E+02 | 0.00E+00 | 5.33E-02 | 6.67E+00 | 0.00E+00 | 6.67E+00 | 3.78E+00 | -9.92E+01 |
| **Non-hazardous waste disposed of** | **5.53E+01** | **kg** | 2.87E+01 | 1.72E-02 | 6.03E-01 | 2.57E+01 | 0.00E+00 | 2.57E+01 | 2.39E-01 | -8.03E-02 |
| **Radioactive waste disposed of** | **5.09E-02** | **kg** | 4.48E-02 | 1.23E-05 | 9.26E-05 | 5.90E-03 | 0.00E+00 | 5.90E-03 | 1.37E-04 | 3.59E-04 |
| **Components for re-use** | **0.00E+00** | **kg** | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Materials for recycling** | **3.52E-01** | **kg** | 7.97E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.73E-01 | 0.00E+00 |
| **Materials for energy recovery** | **1.24E-01** | **MJ by energy vector** | 0* | 0.00E+00 | 1.24E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Exported energy** | **0.00E+00** | **MJ** | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| **Total use of primary energy during the life cycle** | **5.88E+03** | **MJ** | 9.29E+02 | 6.86E+00 | 2.09E+01 | 4.86E+03 | 0.00E+00 | 4.86E+03 | 6.78E+01 | -1.70E+01 |

| | | | |
|---|---|---|---|
| **Biogenic carbon content of the product** | **0.00E+00** | **kg of C** | 0.00E+00 |
| **Biogenic carbon content of the associated packaging** | **7.57E-01** | **kg of C** | 7.57E-01 |

Reference Product 05751 :
- The electricity quantity during the reference lifespan is 28 521 kWh
- Intrinsic consumption of the charging system = 209,68 kWh
- Total consumption over the life cycle for the product = 431,46 kWh
- Total consumption over the life cycle for the Functional Unit = 0,0153 kWh

*Represents less than 0.01% of the total life cycle of the reference flow

[1] For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

The values of the indicators defined in the PCR-ed4-EN-2021 09 06 are available in the digital database of pep-ecopassport.org website.

To obtain the values of the environmental impacts of the products concerned other than the Reference Product, take the same values of those of the Reference Product.

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# Product Environmental Profile

## Single-phase with attached cable charging stations Green'up™ Home for electric vehicles

PEP ecopassport®

| | |
|---|---|
| Registration number: **LGRP-02161-V01.01-EN** | Drafting rules: **«PEP-PCR-ed4-EN-2021 09 06» Supplemented by «PSR-0018-ed1.2-EN-2024 09 26»** |
| Verifier accreditation N°: **VH23** | Information and reference documents: **www.pep-ecopassport.org** |
| Date of issue: **06-2025** | Validity period: **5 years** |
| **Independent verification of the declaration and data, in compliance with ISO 14025 : 2006** | |
| **Internal** ☒ **External** ☐ | |
| The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain) | |
| PEP are compliant with XP C08-100-1 :2016 or EN 50693 :2019<br>The elements of the present PEP cannot be compared with elements from another program | |
| Document in compliance with ISO 14025 : 2006: «Environmental labels and declarations.<br>Type III environmental declarations» | |

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Environmental data in alignment with EN 15804: 2012 + A2 : 2019