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Product Environmental Profile

Nobreak SMS LITE / TECH / PRO / PREMIUM / GAMER - Line Interactive UPS - Single Phase

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	Functional Unit: To ensure the supply of power without interruption to equipment with load of 100 watts for a RSL of 1 years, including a backup time capacity of 5 minutes during power shortages. Declared Unit: To ensure the supply of power without interruption to equipment with load of 1400 watts for a RSL of 5 years, including a backup time capacity of 75 minutes during power shortages
Reference Product	
	Cat.No 0029601
	Nobreak SMS GAMER | 2000Bi/Bi WiFi 2000 VA - 1400 W - cabinet 233x140x386mm - Monophase UPS - Line interactive VI Single UPS - Single normal mode - Tecnology of energy storage: VRLA - Valve Regulated Lead Acid Total mass without packaging: 14,5 kg Correction factor between Declared Unit and Functional Unit: Manufacturing, Distribution, Installation and End of Life phases: 1050. Use phase: 70

PRODUCTS CONCERNED

The environmental data is representative of the following products:

Catalogue Numbers
0029200 - 0029201 - 0029202 - 0029203 - 0029204 - 0029205 - 0029300 - 0029301 - 0029302 - 0029303 - 0029304 - 0029305 - 0029306 - 0029307 - 0029400 - 0029401 - 0029402 - 0029403 - 0029500 - 0029501 - 0029502 - 0029600 - 0029601

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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	**15.83 kg** (all packaging included)

Product alone weight 14.50 kg					
Plastics as % of weight		**Metals as % of weight**		**Other as % of weight**	
HIPS	**7.6 %**	Copper and copper alloys	**0.4 %**	PWB > 10cm²	**48.8 %**
PC	**0.4 %**	Steel	**0.3 %**	Lead batteries	**31.7 %**
PBT	**0.3 %**	Aluminium	**<0.1 %**	Electrical wire (high current)	**1.6 %**
PP	**0.1 %**			Various components	**0.4 %**
Various plastics	**0.1 %**			Various others	**<0.1 %**
PVC	**<0.1 %**				

Packaging (alone) : 1.33 kg					
PE	**0.3 %**			Cardboard	**5.0 %**
				Wood	**3.0 %**

Total plastics : 1.36 kg	**8.8 %**	**Total metals : 0.13 kg**	**0.7 %**	**Total others : 14.34 kg**	**90.5 %**

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

- Product alone (excluding packaging): 0% by mass
- Packaging only: 52% by mass

MANUFACTURE

This Reference Product comes from a site that has received ISO14001 certification.
The final assembly site is located at Caxias do Sul, Brasil.

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 890 km by road from our warehouse to the local point of distribution into the market in Brazil.

Packaging is compliant with applicable regulation.

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.

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

▪ **Elements to process specifically:**
The following may be subject to specific treatments in appropriate channels to reduce the environmental impact of the end of product life:

- waste list WEEE : PWB > 10cm² (rich) : 7707 g
  Lead batteries : 5000 g
- hazardous waste list* : Lead batteries : 5000 g

(*) Hazardous waste as defined by European Commission decision 2000/532/EU.

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 of products marketed and used in Brazil.
The datasets collected in this PEP are representative of the year 2024.

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. Mathematical correlation between Declared Unit and Functional Unit: factor 1050.
	Distribution A4	Transport between the last Group distribution centre and an average delivery point in the sales area. Mathematical correlation between Declared Unit and Functional Unit: factor 1050
	Installation A5	The end of life of the packaging. Mathematical correlation between Declared Unit and Functional Unit: factor 1050.
	Use B1-B7	▪ Product category: UPS with energy storage system - PSR-0010-ed2.0-2023 12 08. ▪ Use scenario: consumption of 2640 kW during the 5 years working life due to an average energy efficency of 94,3 %. The substitution of the maintenance components as indicated in the Use paragraph. This modelling duration does not constitute a minimum durabilty requirement. ▪ Energy model: Electricity Mix_Low voltage_2018_Brazil_BR - 2018. Mathematical correlation between Declared Unit and Functional Unit: factor 70.
	End of life C1-C4	The default end of life scenario maximizing the impacts. Mathematical correlation between Declared Unit and Functional Unit: factor 1050.
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. It expresses the net benefits and loads beyond the boundaries of the system, and are not to be included in the life cycle totals. Mathematical correlation between Declared Unit and Functional Unit: factor 1050.
Software and database used		EIME V6 & its database 2024-04-15 The set of indicators used is Indicators for PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v1.0

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

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ENVIRONMENTAL IMPACTS

The following 3 tables report the environmental impact values referred 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	**5.80E+00**	**kg CO_2 eq.**	8.72E-02	1.03E-03	4.62E-04	5.70E+00	0.00E+00	5.70E+00	8.92E-03	-2.36E-05
Climate change - fossil fuels	**5.78E+00**	**kg CO_2 eq.**	8.88E-02	1.03E-03	0*	5.69E+00	0.00E+00	5.69E+00	8.74E-03	-1.00E-05
Climate change - biogenics	**1.76E-02**	**kg CO_2 eq.**	-1.60E-03	0.00E+00	0.00E+00	1.72E-02	0.00E+00	1.72E-02	1.84E-04	-1.35E-05
Climate change - land use and land use transformation	**2.23E-06**	**kg CO_2 eq.**	9.33E-09	0.00E+00	1.61E-11	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00
Ozone depletion	**3.91E-08**	**kg CFC-11 eq.**	1.86E-08	9.17E-10	2.99E-06	1.91E-08	0.00E+00	1.91E-08	3.28E-10	-1.22E-12
Acidification (AP)	**5.52E-02**	**mole of H+ eq.**	9.51E-04	0*	0*	5.42E-02	0.00E+00	5.42E-02	1.10E-04	-3.57E-07
Freshwater eutrophication	**5.70E-06**	**kg P eq.**	2.89E-07	0*	0*	4.72E-06	0.00E+00	4.72E-06	6.92E-07	8.88E-11
Marine aquatic eutrophication	**4.70E-03**	**kg of N eq.**	9.84E-05	2.16E-06	8.73E-06	4.58E-03	0.00E+00	4.58E-03	1.18E-05	5.68E-11
Terrestrial eutrophication	**1.40E-01**	**mole of N eq.**	1.07E-03	2.34E-05	0*	1.39E-01	0.00E+00	1.39E-01	1.44E-04	-5.75E-08
Photochemical ozone formation	**1.31E-02**	**kg NMVOC eq.**	3.97E-04	7.59E-06	3.32E-11	1.27E-02	0.00E+00	1.27E-02	3.48E-05	-4.34E-08
Depletion of abiotic resources - elements	**6.57E-05**	**kg Sb eq.**	2.66E-05	0*	0*	8.54E-06	0.00E+00	8.54E-06	3.05E-05	-4.82E-08
Depletion of abiotic resources - fossil fuels	**1.03E+02**	**MJ**	1.79E+00	1.29E-02	0*	1.01E+02	0.00E+00	1.01E+02	1.21E-01	-3.47E-04
Water requirement	**1.24E+00**	**m^3 deprivation worldwide eq.**	3.50E-02	0*	0*	1.21E+00	0.00E+00	1.21E+00	3.02E-03	-2.57E-05
Emission of fine particles	**3.47E-07**	**incidence of diseases**	4.91E-09	0*	0*	3.40E-07	0.00E+00	3.40E-07	1.89E-09	-2.10E-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

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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	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	**3.61E+00**	**kBq of U235 eq.**	1.12E+00	0*	0*	2.49E+00	0.00E+00	2.49E+00	1.30E-03	-3.22E-04
Ecotoxicity (fresh water)	**2.78E+06**	**CTUe**	0*	0*	0*	0*	0.00E+00	0*	2.78E+06	1.17E-04
Human toxicity, carcinogenic effects	**4.37E-08**	**CTUh**	6.55E-10	0*	0*	6.51E-10	0.00E+00	6.51E-10	4.24E-08	6.92E-13
Human toxicity, non-carcinogenic effects	**3.22E-05**	**CTUh**	2.54E-08	0*	0*	1.55E-08	0.00E+00	1.55E-08	3.21E-05	-6.88E-12
Impacts related to land use/soil quality	**2.51E-01**	**-**	1.51E-03	0.00E+00	0*	2.47E-01	0.00E+00	2.47E-01	2.16E-03	-1.96E-06
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	**1.76E+02**	**MJ**	0*	0*	0*	1.76E+02	0.00E+00	1.76E+02	0*	-4.93E-05
Use of renewable primary energy resources used as raw materials	**2.32E-02**	**MJ**	2.32E-02	0.00E+00	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	**1.76E+02**	**MJ**	3.47E-02	0*	0*	1.76E+02	0.00E+00	1.76E+02	0*	1.18E-04
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	**1.03E+02**	**MJ**	1.68E+00	1.29E-02	0*	1.01E+02	0.00E+00	1.01E+02	1.21E-01	-2.13E-04
Use of non-renewable primary energy resources used as raw materials	**1.12E-01**	**MJ**	1.12E-01	0.00E+00	8.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.33E-04
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	**1.03E+02**	**MJ**	1.79E+00	1.29E-02	0*	1.01E+02	0.00E+00	1.01E+02	1.21E-01	-3.47E-04

*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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	Total Life Cycle		Manufacturing	Distribution	Installation	Use[1]			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Use of secondary materials	**7.45E-04**	**kg**	7.45E-04	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	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	**2.89E-02**	**m³**	8.15E-04	0*	0*	2.81E-02	0.00E+00	2.81E-02	-1.38E-05	-5.98E-07
Hazardous waste disposed of	**2.09E-01**	**kg**	2.87E-02	0*	6.67E-05	1.67E-01	0.00E+00	1.67E-01	1.27E-02	-8.96E-04
Non-hazardous waste disposed of	**2.53E+00**	**kg**	1.37E-02	0*	0*	2.48E+00	0.00E+00	2.48E+00	3.05E-02	-7.91E-06
Radioactive waste disposed of	**2.41E-04**	**kg**	1.21E-05	2.07E-07	0.00E+00	2.25E-04	0.00E+00	2.25E-04	3.82E-06	-2.51E-09
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	**4.94E-04**	**kg**	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00
Materials for energy recovery	**4.28E-11**	**MJ by energy vector**	4.28E-11	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**	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of primary energy during the life cycle	**2.80E+02**	**MJ**	1.82E+00	0*	0*	2.78E+02	0.00E+00	2.78E+02	1.25E-01	-2.28E-04
Biogenic carbon content of the product	**0.00E+00**	**kg of C**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	**7.83E-04**	**kg of C**	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-06

*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.

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ENVIRONMENTAL IMPACTS

The following 3 tables report the environmental impact values referred to the Declared Unit (0029601)

	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	**5.04E+02**	**kg CO_2 eq.**	9.16E+01	1.09E+00	2.43E+00	3.99E+02	0.00E+00	3.99E+02	9.37E+00	-1.73E+00
Climate change - fossil fuels	**5.02E+02**	**kg CO_2 eq.**	9.32E+01	1.09E+00	4.85E-01	3.98E+02	0.00E+00	3.98E+02	9.17E+00	-7.37E-01
Climate change - biogenics	**1.66E+00**	**kg CO_2 eq.**	-1.68E+00	0.00E+00	1.95E+00	1.20E+00	0.00E+00	1.20E+00	1.93E-01	-9.94E-01
Climate change - land use and land use transformation	**2.34E-03**	**kg CO_2 eq.**	9.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03	0.00E+00
Ozone depletion	**2.22E-05**	**kg CFC-11 eq.**	1.96E-05	9.63E-07	1.69E-08	1.34E-06	0.00E+00	1.34E-06	3.44E-07	-8.96E-08
Acidification (AP)	**4.91E+00**	**mole of H+ eq.**	9.98E-01	4.90E-03	3.14E-03	3.79E+00	0.00E+00	3.79E+00	1.15E-01	-2.63E-02
Freshwater eutrophication	**1.36E-03**	**kg P eq.**	3.03E-04	0*	3.84E-07	3.30E-04	0.00E+00	3.30E-04	7.27E-04	6.52E-06
Marine aquatic eutrophication	**4.39E-01**	**kg of N eq.**	1.03E-01	2.27E-03	6.97E-04	3.21E-01	0.00E+00	3.21E-01	1.23E-02	4.17E-06
Terrestrial eutrophication	**1.10E+01**	**mole of N eq.**	1.12E+00	2.45E-02	9.17E-03	9.71E+00	0.00E+00	9.71E+00	1.51E-01	-4.22E-03
Photochemical ozone formation	**1.35E+00**	**kg NMVOC eq.**	4.17E-01	7.97E-03	1.97E-03	8.90E-01	0.00E+00	8.90E-01	3.65E-02	-3.19E-03
Depletion of abiotic resources - elements	**6.06E-02**	**kg Sb eq.**	2.79E-02	0*	0*	5.98E-04	0.00E+00	5.98E-04	3.20E-02	-3.54E-03
Depletion of abiotic resources - fossil fuels	**9.11E+03**	**MJ**	1.88E+03	1.36E+01	8.99E+00	7.08E+03	0.00E+00	7.08E+03	1.27E+02	-2.55E+01
Water requirement	**1.24E+02**	**m^3 deprivation worldwide eq.**	3.67E+01	5.53E-02	2.03E-02	8.44E+01	0.00E+00	8.44E+01	3.17E+00	-1.89E+00
Emission of fine particles	**3.10E-05**	**incidence of diseases**	5.15E-06	1.32E-08	2.00E-08	2.38E-05	0.00E+00	2.38E-05	1.99E-06	-1.55E-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

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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	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	**1.35E+03**	**kBq of U235 eq.**	1.18E+03	0*	2.03E-01	1.74E+02	0.00E+00	1.74E+02	1.36E+00	-2.37E+01
Ecotoxicity (fresh water)	**2.92E+09**	**CTUe**	0*	0*	0*	0*	0.00E+00	0*	2.92E+09	8.57E+00
Human toxicity, carcinogenic effects	**4.53E-05**	**CTUh**	6.88E-07	0*	0*	4.56E-08	0.00E+00	4.56E-08	4.46E-05	5.08E-08
Human toxicity, non-carcinogenic effects	**3.37E-02**	**CTUh**	2.67E-05	0*	0*	0*	0.00E+00	0*	3.37E-02	-5.06E-07
Impacts related to land use/soil quality	**2.12E+01**	**-**	1.59E+00	0.00E+00	9.44E-03	1.73E+01	0.00E+00	1.73E+01	2.26E+00	-1.44E-01
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	**1.24E+04**	**MJ**	1.20E+01	0*	0*	1.23E+04	0.00E+00	1.23E+04	4.74E+00	-3.62E+00
Use of renewable primary energy resources used as raw materials	**2.44E+01**	**MJ**	2.44E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E+01
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	**1.24E+04**	**MJ**	3.64E+01	0*	0*	1.23E+04	0.00E+00	1.23E+04	4.74E+00	8.69E+00
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	**8.99E+03**	**MJ**	1.76E+03	1.36E+01	8.99E+00	7.08E+03	0.00E+00	7.08E+03	1.27E+02	-1.57E+01
Use of non-renewable primary energy resources used as raw materials	**1.18E+02**	**MJ**	1.18E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-9.80E+00
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	**9.11E+03**	**MJ**	1.88E+03	1.36E+01	8.99E+00	7.08E+03	0.00E+00	7.08E+03	1.27E+02	-2.55E+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

Nobreak SMS LITE / TECH / PRO / PREMIUM / GAMER - Line Interactive UPS - Single Phase

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	Total Life Cycle		Manufacturing	Distribution	Installation	Use[1]			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Use of secondary materials	**7.82E-01**	**kg**	7.82E-01	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	**2.81E+00**	**m³**	8.56E-01	1.29E-03	7.84E-04	1.97E+00	0.00E+00	1.97E+00	-1.45E-02	-4.40E-02
Hazardous waste disposed of	**5.57E+01**	**kg**	3.01E+01	0*	4.93E-01	1.17E+01	0.00E+00	1.17E+01	1.34E+01	-6.58E+01
Non-hazardous waste disposed of	**2.20E+02**	**kg**	1.44E+01	0*	7.00E-02	1.74E+02	0.00E+00	1.74E+02	3.20E+01	-5.81E-01
Radioactive waste disposed of	**3.27E-02**	**kg**	1.27E-02	2.17E-04	2.89E-05	1.57E-02	0.00E+00	1.57E-02	4.02E-03	-1.85E-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	**5.19E-01**	**kg**	6.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-01	0.00E+00
Materials for energy recovery	**4.49E-08**	**MJ by energy vector**	4.49E-08	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**	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	**2.15E+04**	**MJ**	1.92E+03	1.36E+01	9.67E+00	1.94E+04	0.00E+00	1.94E+04	1.31E+02	-1.68E+01
Biogenic carbon content of the product	**0.00E+00**	**kg of C**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	**8.22E-01**	**kg of C**	8.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-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

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.

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ENVIRONMENTAL IMPACTS

For products covered by the PEP other than the Reference product, the environmental impacts of each life cycle phase are obtained by multiplying the Reference Product environmental impacts by the coefficients in the following table.

Reference	Désignation UPS	Manufacturing, Transportation, End of Life coefficient	Installation coefficient	Use coefficient
29200	Nobreak SMS LITE | 600S 115	0,4	0,5	0,2
29201	Nobreak SMS LITE | 600S 220	0,4	0,5	0,2
29202	Nobreak SMS LITE | 600Bi/115	0,4	0,5	0,3
29203	Nobreak SMS LITE | 1200S 115	0,5	0,5	0,3
29204	Nobreak SMS LITE | 1200S 220	0,5	0,5	0,2
29205	Nobreak SMS LITE | 1200Bi/115	0,6	0,5	0,5
29300	Nobreak SMS TECH | 600Bi/115	0,4	0,5	0,3
29301	Nobreak SMS TECH | 700Bi/115	0,4	0,5	0,4
29302	Nobreak SMS TECH | 800Bi/115	0,4	0,5	0,4
29303	Nobreak SMS TECH | 800Bi/220	0,4	0,5	0,4
29304	Nobreak SMS TECH | 1200Bi/115	0,7	0,9	0,5
29305	Nobreak SMS TECH | 1400Bi/115	0,7	0,9	0,6
29306	Nobreak SMS TECH | 1400Bi/220	0,7	0,9	0,5
29307	Nobreak SMS TECH | 1800Bi/115	0,9	0,9	0,7
29400	Nobreak SMS PRO | 700Bi/Bi WiFi	0,5	0,5	0,5
29401	Nobreak SMS PRO | 1500Bi/Bi	0,8	0,9	0,9
29402	Nobreak SMS PRO | 1500Bi/Bi WiFi	0,8	0,9	0,9
29403	Nobreak SMS PRO | 1800Bi/Bi WiFi	1,0	0,9	0,9
29500	Nobreak SMS PREMIUM | 700Bi/Bi WiFi	0,5	0,5	0,5
29501	Nobreak SMS PREMIUM | 1500Bi/Bi WiFi	0,8	0,9	0,9
29502	Nobreak SMS PREMIUM | 1800Bi/Bi WiFi	1,0	0,9	0,9
29600	Nobreak SMS GAMER | 1500Bi/Bi WiFi	0,8	1,0	0,9
29601	***Nobreak SMS GAMER | 2000Bi/Bi WiFi***	***1***	***1***	***1***

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Product Environmental Profile

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ENVIRONMENTAL IMPACTS

Homogeneous family technical data:

Reference	Désignation UPS	Power (W)	Backup time [minute]	UPS efficiency (%)	Packaging Mass (kg)	Product Mass [kg]
29200	Nobreak SMS LITE | 600S 115	300	25	94,0%	440	5140
29201	Nobreak SMS LITE | 600S 220	300	25	93,3%	440	5140
29202	Nobreak SMS LITE | 600Bi/115	300	25	93,1%	440	5190
29203	Nobreak SMS LITE | 1200S 115	600	55	95,5%	430	7880
29204	Nobreak SMS LITE | 1200S 220	600	55	96,7%	430	7980
29205	Nobreak SMS LITE | 1200Bi/115	600	55	93,8%	440	8930
29300	Nobreak SMS TECH | 600Bi/115	300	30	91,8%	440	5590
29301	Nobreak SMS TECH | 700Bi/115	350	30	91,3%	440	5800
29302	Nobreak SMS TECH | 800Bi/115	400	30	92,3%	440	5800
29303	Nobreak SMS TECH | 800Bi/220	400	30	92,8%	440	5800
29304	Nobreak SMS TECH | 1200Bi/115	600	60	93,1%	750	9540
29305	Nobreak SMS TECH | 1400Bi/115	700	60	93,4%	750	9540
29306	Nobreak SMS TECH | 1400Bi/220	700	60	94,1%	750	9560
29307	Nobreak SMS TECH | 1800Bi/115	900	70	93,9%	750	12840
29400	Nobreak SMS PRO | 700Bi/Bi WiFi	490	30	91,6%	430	7020
29401	Nobreak SMS PRO | 1500Bi/Bi	1050	70	93,2%	760	11870
29402	Nobreak SMS PRO | 1500Bi/Bi WiFi	1050	70	93,2%	750	11890
29403	Nobreak SMS PRO | 1800Bi/Bi WiFi	1260	90	94,6%	750	14240
29500	Nobreak SMS PREMIUM | 700Bi/Bi WiFi	490	25	91,6%	440	7090
29501	Nobreak SMS PREMIUM | 1500Bi/Bi WiFi	1050	60	93,1%	750	12020
29502	Nobreak SMS PREMIUM | 1800Bi/Bi WiFi	1260	75	94,3%	750	14370
29600	Nobreak SMS GAMER | 1500Bi/Bi WiFi	1050	60	93,1%	840	12110
29601	***Nobreak SMS GAMER | 2000Bi/Bi WiFi***	***1400***	***75***	94,3%	840	***14520***

Registration number: **LGRP-01855-V01.01-EN**	Drafting rules: **«PEP-PCR-ed4-EN-2021 09 06» Supplemented by «PSR-0010-ed2.0-2023 12 08»**
Verifier accreditation N°: **VH23**	Information and reference documents: **www.pep-ecopassport.org**
Date of issue: **06-2024**	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 NF C08-100-1 :2016 and EN 50693 :2019 or NF E38-500 :2022 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. Type III environmental declarations»	

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