Product Environmental Profile

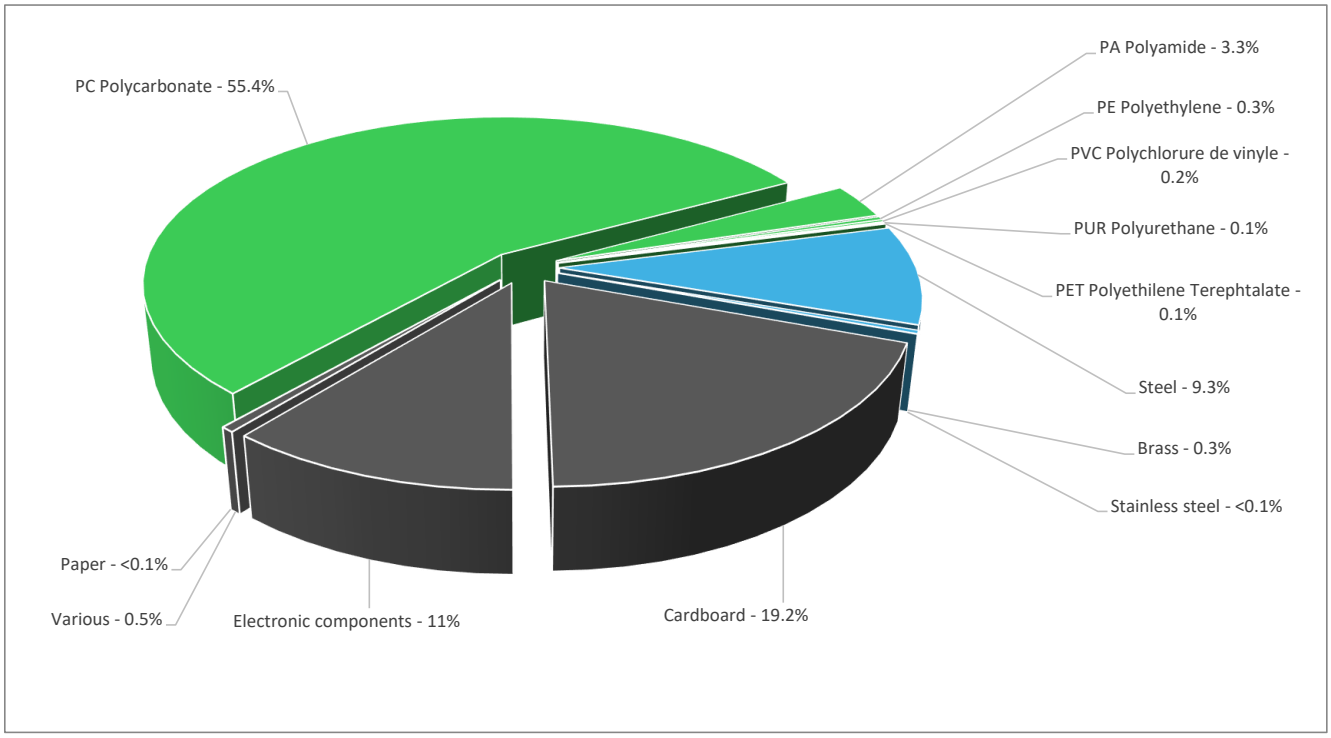
EVlink eWallbox AC,Payment kiosk for EV charging installations

General information

Reference product	EVlink eWallbox AC,Payment kiosk for EV charging installations - EVPROPAY
Description of the product	EVPROPAY is a payment kiosk for electric vehicles infrastructure. It is ideal to manage 10 charging stations for optimal user experience (no technical limitations) 7 hours a days for 10 years.
Description of the range	Single product
Functional unit	Other switchgear and controlgear solutions mentioned in the scope (e.g. fuses TC32, all-or-nothing relays TC94, Measuring relays and protection equipment TC95), apply the general rules of PCR and mention in the accompanying report the functional unit, the reference product characteristics, the reference lifetime and the use scenario which are applied consistently with the relevant IEC technical standards.
Specifications are:	Payment kiosk for electric vehicles infrastructure during 10 years - IEC 62368-1 - IEC 62311 - IP55 conforming to IEC 60529 - IK09 conforming to IEC 62262 - RFID/NFC: ETSI EN 300 330 - Cellular connectivity: ETSI EN 301511, ETSI EN 301908-1, ETSI EN 301908-2, ETSI EN 301489-52

Constituent materials

Reference product mass	6340 g	including the product, its packaging and additional elements and accessories



	Plastics	59.40%
	Metals	9.60%
	Others	31.00%

Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website
https://www.se.com/ww/en/work/support/green-premium/

Additional environmental information

End Of Life	Recyclability potential:	**12%**	The recyclability rate was calculated from the recycling rates of each material making up the product with the exception of data using the ESR database. For materials or components using the ESR database or the absence of data the conservative hypothesis "0% recyclability" was used.

Environmental impacts

Reference service life time	10 years
Product category	Other equipments - Active product
Installation elements	The product EVPROPAY does not require any installation operations
Use scenario	See PSR
Time representativeness	The collected data are representative of the year 2024
Technological representativeness	The Modules of Technologies such as material production, manufacturing processes and transport technology used in the PEP analysis (LCA EIME in the case) are Similar and représentaive of the actual type of technologies used to make the product.
Geographical representativeness	France

Energy model used	[A1 - A3]	[A5]	[B6]	[C1 - C4]
	Electricity Mix; High voltage; 2018; France, FR	Electricity Mix; Low voltage; 2018; Europe, EU-27	Electricity Mix; Low voltage; 2018; Europe, EU-27	Electricity Mix; Low voltage; 2018; Europe, EU-27

Detailed results of the optional indicators mentioned in PCRed4 are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact

Mandatory Indicators		EVlink eWallbox AC,Payment kiosk for EV charging installations - EVPROPAY						
Impact indicators	Unit	Total (without Module D)	[A1 - A3] - Manufacturing	[A4] - Distribution	[A5] - Installation	[B1 - B7] - Use	[C1 - C4] - End of life	[D] - Benefits and loads
Contribution to climate change	kg CO2 eq	8.93E+02	7.34E+02	1.24E+00	1.37E+00	1.44E+02	1.23E+01	-3.86E+00
Contribution to climate change-fossil	kg CO2 eq	8.91E+02	7.33E+02	1.24E+00	1.30E+00	1.43E+02	1.20E+01	-3.69E+00
Contribution to climate change-biogenic	kg CO2 eq	1.55E+00	9.60E-01	0*	6.75E-02	1.92E-01	3.26E-01	-1.72E-01
Contribution to climate change-land use and land use change	kg CO2 eq	5.37E-03	5.37E-03	0*	0*	0*	0*	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	9.35E-05	9.29E-05	0*	1.85E-08	6.14E-07	1.89E-08	-4.02E-07
Contribution to acidification	mol H+ eq	5.41E+00	4.57E+00	7.82E-03	4.11E-03	8.20E-01	1.33E-02	-2.09E-02
Contribution to eutrophication, freshwater	kg $(PO4)^{3-}$ eq	1.88E-03	1.44E-03	4.63E-07	2.53E-05	3.93E-04	1.76E-05	-2.51E-05
Contribution to eutrophication marine	kg N eq	5.94E-01	4.91E-01	3.66E-03	1.77E-03	9.31E-02	4.26E-03	-3.52E-03
Contribution to eutrophication, terrestrial	mol N eq	6.69E+00	5.19E+00	4.02E-02	1.23E-02	1.40E+00	4.86E-02	-3.36E-02
Contribution to photochemical ozone formation - human health	kg COVNM eq	2.04E+00	1.72E+00	1.01E-02	2.81E-03	2.99E-01	1.30E-02	-1.01E-02
Contribution to resource use, minerals and metals	kg Sb eq	7.05E-02	7.05E-02	0*	0*	1.04E-05	0*	-7.14E-04
Contribution to resource use, fossils	MJ	1.22E+04	8.38E+03	1.72E+01	1.40E+01	3.66E+03	1.41E+02	-6.91E+01
Contribution to water use	m3 eq	1.78E+02	1.67E+02	0*	1.12E-01	5.08E+00	5.47E+00	-1.36E+00

Inventory flows Indicators		EVlink eWallbox AC,Payment kiosk for EV charging installations - EVPROPAY						
Inventory flows	Unit	Total (without Module D)	[A1 - A3] - Manufacturing	[A4] - Distribution	[A5] - Installation	[B1 - B7] - Use	[C1 - C4] - End of life	[D] - Benefits and loads
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	1.03E+03	3.27E+02	0*	1.85E+00	7.03E+02	1.04E-01	4.12E+00
Contribution to use of renewable primary energy resources used as raw material	MJ	3.00E+01	3.00E+01	0*	0*	0*	0*	-1.97E+01
Contribution to total use of renewable primary energy resources	MJ	1.06E+03	3.57E+02	0*	1.85E+00	7.03E+02	0*	-1.55E+01
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.21E+04	8.24E+03	1.72E+01	1.40E+01	3.66E+03	1.41E+02	-6.90E+01
Contribution to use of non renewable primary energy resources used as raw material	MJ	1.40E+02	1.40E+02	0*	0*	0*	0*	-1.39E-01
Contribution to total use of non-renewable primary energy resources	MJ	1.22E+04	8.38E+03	1.72E+01	1.40E+01	3.66E+03	1.41E+02	-6.91E+01
Contribution to use of secondary material	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to use of renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to use of non renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to net use of freshwater	m^3	4.30E+00	3.96E+00	0*	2.61E-03	1.18E-01	2.23E-01	-3.43E-02
Contribution to hazardous waste disposed	kg	1.32E+03	1.31E+03	0*	0*	2.68E+00	2.40E-01	-5.63E+01
Contribution to non hazardous waste disposed	kg	2.44E+02	2.19E+02	4.33E-02	4.81E-01	2.07E+01	4.50E+00	-2.65E+00
Contribution to radioactive waste disposed	kg	8.93E-02	8.47E-02	3.09E-05	7.39E-05	4.33E-03	1.62E-04	-1.20E-03
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	6.85E-01	8.89E-02	0*	2.96E-03	0*	5.93E-01	0.00E+00
Contribution to materials for energy recovery	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to exported energy	MJ	3.01E-02	9.89E-04	0*	2.33E-02	0*	5.86E-03	0.00E+00

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

Contribution to biogenic carbon content of the product	kg of C	0.00E+00
Contribution to biogenic carbon content of the associated packaging	kg of C	3.36E-01

Mandatory Indicators		EVlink eWallbox AC,Payment kiosk for EV charging installations - EVPROPAY							
Impact indicators	**Unit**	**[B1 - B7] - Use**	**[B1]**	**[B2]**	**[B3]**	**[B4]**	**[B5]**	**[B6]**	**[B7]**
Contribution to climate change	kg CO2 eq	1.44E+02	0*	0*	0*	0*	0*	1.44E+02	0*
Contribution to climate change-fossil	kg CO2 eq	1.43E+02	0*	0*	0*	0*	0*	1.43E+02	0*
Contribution to climate change-biogenic	kg CO2 eq	1.92E-01	0*	0*	0*	0*	0*	1.92E-01	0*
Contribution to climate change-land use and land use change	kg CO2 eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to ozone depletion	kg CFC-11 eq	6.14E-07	0*	0*	0*	0*	0*	6.14E-07	0*
Contribution to acidification	mol H+ eq	8.20E-01	0*	0*	0*	0*	0*	8.20E-01	0*
Contribution to eutrophication, freshwater	kg $(PO4)^{3-}$ eq	3.93E-04	0*	0*	0*	0*	0*	3.93E-04	0*
Contribution to eutrophication marine	kg N eq	9.31E-02	0*	0*	0*	0*	0*	9.31E-02	0*
Contribution to eutrophication, terrestrial	mol N eq	1.40E+00	0*	0*	0*	0*	0*	1.40E+00	0*
Contribution to photochemical ozone formation - human health	kg COVNM eq	2.99E-01	0*	0*	0*	0*	0*	2.99E-01	0*
Contribution to resource use, minerals and metals	kg Sb eq	1.04E-05	0*	0*	0*	0*	0*	1.04E-05	0*
Contribution to resource use, fossils	MJ	3.66E+03	0*	0*	0*	0*	0*	3.66E+03	0*
Contribution to water use	m3 eq	5.08E+00	0*	0*	0*	0*	0*	5.08E+00	0*

Inventory flows Indicators		EVlink eWallbox AC,Payment kiosk for EV charging installations - EVPROPAY							
Inventory flows	**Unit**	**[B1 - B7] - Use**	**[B1]**	**[B2]**	**[B3]**	**[B4]**	**[B5]**	**[B6]**	**[B7]**
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	7.03E+02	0*	0*	0*	0*	0*	7.03E+02	0*
Contribution to use of renewable primary energy resources used as raw material	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to total use of renewable primary energy resources	MJ	7.03E+02	0*	0*	0*	0*	0*	7.03E+02	0*
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	3.66E+03	0*	0*	0*	0*	0*	3.66E+03	0*
Contribution to use of non renewable primary energy resources used as raw material	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to total use of non-renewable primary energy resources	MJ	3.66E+03	0*	0*	0*	0*	0*	3.66E+03	0*
Contribution to use of secondary material	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to use of renewable secondary fuels	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to use of non renewable secondary fuels	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to net use of freshwater	m^3	1.18E-01	0*	0*	0*	0*	0*	1.18E-01	0*
Contribution to hazardous waste disposed	kg	2.68E+00	0*	0*	0*	0*	0*	2.68E+00	0*
Contribution to non hazardous waste disposed	kg	2.07E+01	0*	0*	0*	0*	0*	2.07E+01	0*
Contribution to radioactive waste disposed	kg	4.33E-03	0*	0*	0*	0*	0*	4.33E-03	0*
Contribution to components for reuse	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to materials for recycling	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to materials for energy recovery	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to exported energy	MJ	0*	0*	0*	0*	0*	0*	0*	0*

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

Life cycle assessment performed with EIME version v6.1, database version 2023-02 in compliance with ISO14044, EF 3.0 method is applied, for biogenic carbon storage, assessment methodology 0/0 is used

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

Registration number :	ENVPEP2407018_V1	*Drafting rules*	PCR-4-ed4-EN-2021 09 06
		Supplemented by	PSR-0005-ed3-EN-2023 06 06
Date of issue	07-2024	*Information and reference documents*	www.pep-ecopassport.org
		Validity period	5 years

Independent verification of the declaration and data, in compliance with ISO 14021 : 2016

Internal X External

The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)

PEPs are compliant with XP C08-100-1:2016 and EN 50693:2019 or NF E38-500 :2022

The components of the present PEP may not be compared with components from any other program.

Document complies with ISO 14021:2016 "Environmental labels and declarations. Type II environmental declarations"

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Published by Schneider Electric
ENVPEP2407018_V1

07-2024