

# Product Environmental Profile

**EVLINK PKG EVO FLOOR 22KW 2XT2S RFID EV**

**EVlink Parking**





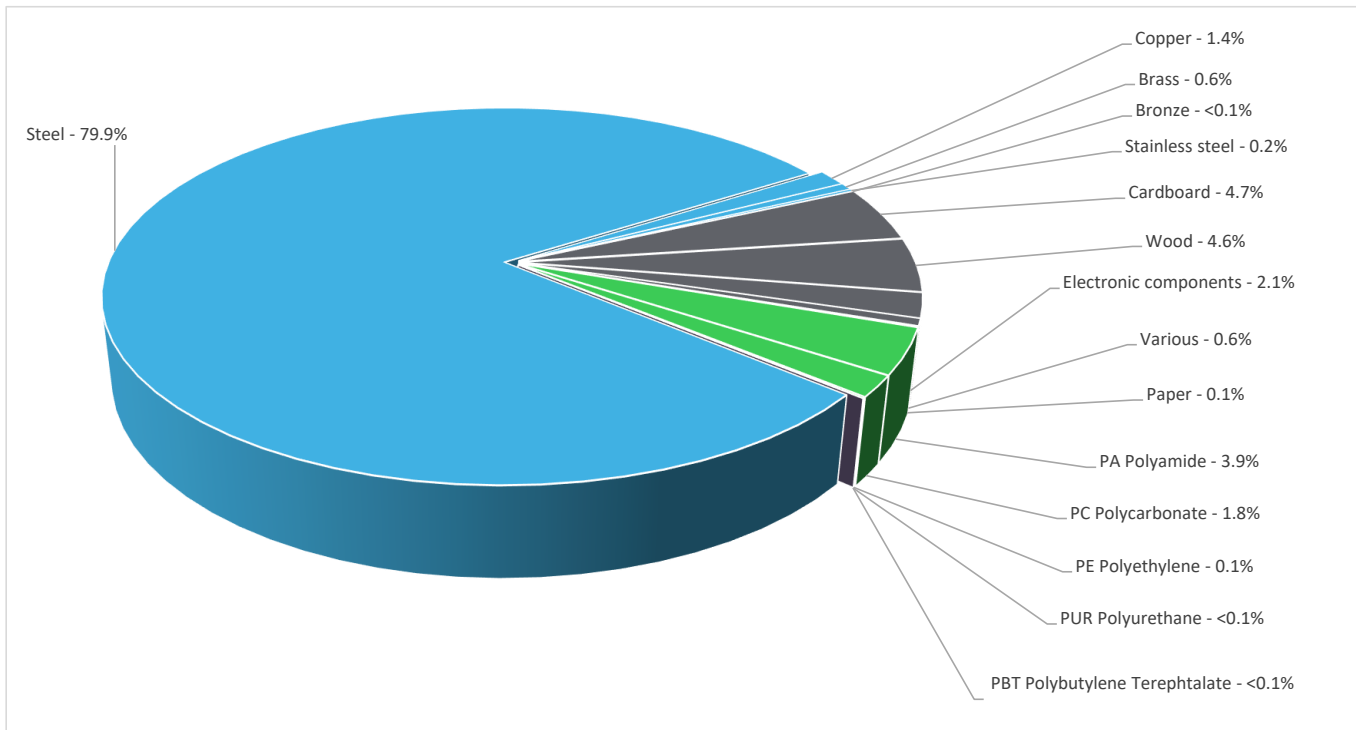
## General information

Reference product	EVLINK PKG EVO FLOOR 22KW 2XT2S RFID EV - EVF2S22P44R
Description of the product	The EVlink Parking charging station is designed to charge the electric vehicle and meet the requirements of secure parking lots (closed, with filtered access, or under surveillance): Parking lots for vehicle fleets; Paid-access car parts; Shopping mall parking lots for 10 years
Description of the range	The products of the range are: EVlink PARKING Floor Standing 2xT2 with Shutter RFID EV CHARGING STATION,including 7~22 Kw The environmental impacts of this reference product are representative of the impacts of the other products of the range which are developed with a similar technology.
Functional unit	Supply 1 kWh to one vehicle in accordance with the reference use scenario at the charging point
Specifications are:	Supply 1 kWh to one vehicle in accordance with the reference use scenario at the charging point.Charging an electrical vehicle with 22 kW, with T2S socket during 10 years. Connectivity protocol : OCPP 1.6 Web server Indoor and outdoor use Degree of protection: IP54 Mechanical strength : IK10 2 x access control system (RFID card) 3 x Ethernet ports (Daisy chain) 1 x modem (option)



## Constituent materials

Reference product mass 50700 g including the product, its packaging, additional elements and accessories



Plastics	5.80%
Metals	82.10%
Others	12.10%



## Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric website  
<https://www.se.com>

## Additional environmental information

<b>End Of Life</b>	Recyclability potential:	<b>89%</b>	The recyclability rate was calculated from the recycling rates of each material making up the product based on REECYLAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the EIME database and the related PSR was taken. If no data was found a conservative assumption was used (0% recyclability).
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## Environmental impacts

<b>Reference service life time</b>	10 years			
<b>Product category</b>	Private or semi-public station - Private or semi-public stations on a base and running on direct current (DC) alternating current (AC)			
<b>Life cycle of the product</b>	The manufacturing, the distribution, the installation, the use and the end of life were taken into consideration in this study			
<b>Electricity consumption</b>	The electricity consumed during manufacturing processes is considered for each part of the product individually, the final assembly generates a negligible consumption			
<b>Installation elements</b>	Ref EVF2S22P44R does not require any installation operations			
<b>Use scenario</b>	The product is in active mode 50 % of the time with a power use of 100 W and in stand-by mode 50 % of the time with a power use of 33 W, for 10 years			
<b>Time representativeness</b>	The collected data are representative of the year 2024			
<b>Technological representativeness</b>	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 Representative of the actual type of technologies used to make the product.			
<b>Geographical representativeness</b>	France			
<b>Energy model used</b>	[A1 - A3] Electricity Mix; Low voltage; 2020; France, FR	[A5] Electricity Mix; Low voltage; 2020; France, FR	[B6] Electricity Mix; Low voltage; 2020; France, FR	[C1 - C4] Electricity Mix; Low voltage; 2020; France, FR

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.se.com/contact>

For the purposes of drafting the PEP, impact was scaled down to the supply of 1 kWh of energy.

Mandatory Indicators		EVLINK PKG EVO FLOOR 22KW 2XT2S RFID EV - EVF2S22P44R						
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	5.24E+02	3.73E+02	9.86E+00	8.11E+00	0*	1.33E+02	-1.89E+02
Contribution to climate change-fossil	kg CO2 eq	5.22E+02	3.75E+02	9.86E+00	4.22E+00	0*	1.32E+02	-1.92E+02
Contribution to climate change-biogenic	kg CO2 eq	2.55E+00	0*	0*	3.89E+00	0*	3.65E-01	3.64E+00
Contribution to climate change-land use and land use change	kg CO2 eq	6.23E-04	6.21E-04	0*	0*	0*	2.09E-06	9.46E-05
Contribution to ozone depletion	kg CFC-11 eq	3.92E-05	3.91E-05	1.51E-08	4.23E-08	0*	9.18E-08	-5.28E-05
Contribution to acidification	mol H+ eq	2.95E+00	2.42E+00	6.25E-02	9.71E-03	0*	4.57E-01	-1.16E+00
Contribution to eutrophication, freshwater	kg (PO4) <sup>3-</sup> eq	5.62E-03	1.49E-03	3.70E-06	5.90E-05	0*	4.07E-03	-5.66E-04
Contribution to eutrophication, marine	kg N eq	4.59E-01	3.29E-01	2.93E-02	4.11E-03	0*	9.70E-02	-1.11E-01
Contribution to eutrophication, terrestrial	mol N eq	4.97E+00	3.56E+00	3.21E-01	3.04E-02	0*	1.06E+00	-1.24E+00
Contribution to photochemical ozone formation - human health	kg COVM eq	1.56E+00	1.12E+00	8.11E-02	7.32E-03	0*	3.54E-01	-4.66E-01
Contribution to resource use, minerals and metals	kg Sb eq	6.94E-02	6.93E-02	0*	0*	0*	1.32E-04	-3.49E-02
Contribution to resource use, fossils	MJ	1.71E+04	8.00E+03	1.38E+02	3.16E+01	0*	8.88E+03	-3.03E+03
Contribution to water use	m3 eq	1.79E+02	1.29E+02	3.75E-02	4.25E-01	0*	4.93E+01	-8.95E+01

Inventory flows Indicators		EVLINK PKG EVO FLOOR 22KW 2XT2S RFID EV - EVF2S22P44R						
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 renewable primary energy used as energy	MJ	9.18E+01	7.48E+01	1.84E-01	1.33E+01	1.41E-01	3.33E+00	-1.40E+01
Contribution to renewable primary energy used as raw material	MJ	1.33E+02	1.33E+02	0*	0*	0*	0*	-5.37E+01
Contribution to total renewable primary energy	MJ	2.25E+02	2.08E+02	1.84E-01	1.33E+01	1.41E-01	3.33E+00	-6.78E+01
Contribution to non renewable primary energy used as energy	MJ	1.69E+04	7.86E+03	1.38E+02	3.16E+01	0*	8.88E+03	-3.04E+03
Contribution to non renewable primary energy used as raw material	MJ	1.39E+02	1.39E+02	0*	0*	0*	0*	1.72E+00
Contribution to total non renewable primary energy	MJ	1.71E+04	8.00E+03	1.38E+02	3.16E+01	0*	8.88E+03	-3.03E+03
Contribution to use of secondary material	kg	1.40E-01	1.40E-01	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 fresh water	m³	4.17E+00	3.01E+00	8.73E-04	9.90E-03	0*	1.15E+00	-2.08E+00
Contribution to hazardous waste disposed	kg	4.92E+03	4.92E+03	0*	0*	0*	7.68E-01	-2.63E+03
Contribution to non hazardous waste disposed	kg	2.75E+02	2.67E+02	3.46E-01	2.95E+00	0*	5.21E+00	-8.58E+01
Contribution to radioactive waste disposed	kg	9.33E-02	9.24E-02	2.47E-04	2.20E-04	0*	4.08E-04	-4.01E-02
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	4.80E+01	4.96E+00	0*	6.69E-01	0*	4.23E+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	1.33E+00	2.28E-01	0*	6.80E-01	0*	4.19E-01	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 1.66E+00

\* The calculation of the biogenic carbon is based on the Ademe for the Cardboard (28%), EN16485 for Wood (39,52%), and APESA/RECORD for Paper (37,8%)

Mandatory Indicators		EVLINK PKG EVO FLOOR 22KW 2XT2S RFID EV - EVF2S22P44R							
Impact indicators	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to climate change	kg CO2 eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to climate change-fossil	kg CO2 eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to climate change-biogenic	kg CO2 eq	0*	0*	0*	0*	0*	0*	0*	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	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to acidification	mol H+ eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to eutrophication, freshwater	kg (PO4)³⁻ eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to eutrophication marine	kg N eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to eutrophication, terrestrial	mol N eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to photochemical ozone formation - human health	kg COVNM eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to resource use, minerals and metals	kg Sb eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to resource use, fossils	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to water use	m3 eq	0*	0*	0*	0*	0*	0*	0*	0*

Inventory flows Indicators		EVLINK PKG EVO FLOOR 22KW 2XT2S RFID EV - EVF2S22P44R								
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	1.41E-01	0*	0*	0*	0*	0*	1.41E-01	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	1.41E-01	0*	0*	0*	0*	0*	1.41E-01	0*	
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	0*	0*	0*	0*	0*	0*	0*	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	0*	0*	0*	0*	0*	0*	0*	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	m³	0*	0*	0*	0*	0*	0*	0*	0*	
Contribution to hazardous waste disposed	kg	0*	0*	0*	0*	0*	0*	0*	0*	
Contribution to non hazardous waste disposed	kg	0*	0*	0*	0*	0*	0*	0*	0*	
Contribution to radioactive waste disposed	kg	0*	0*	0*	0*	0*	0*	0*	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 v6.2.2, database version 2024-01 in compliance with ISO14044, EF3.1 method is applied, for biogenic carbon storage, assessment methodology 0/0 is used

According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range, ratios to apply can be provided upon request

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 :	ENVPEP1608002_V2-EN	Drafting rules	PCR-4-ed4-EN-2021 09 06
Date of issue	12-2024	Supplemented by	PSR-0018-ed1.1-EN-2024 01 31
		Information and reference documents	<a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>
		Validity period	5 years

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

Internal  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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