

Product Environmental Profile

EVlink ProAC 7.4kW T2 STE6m ARCD Asi MN XMID





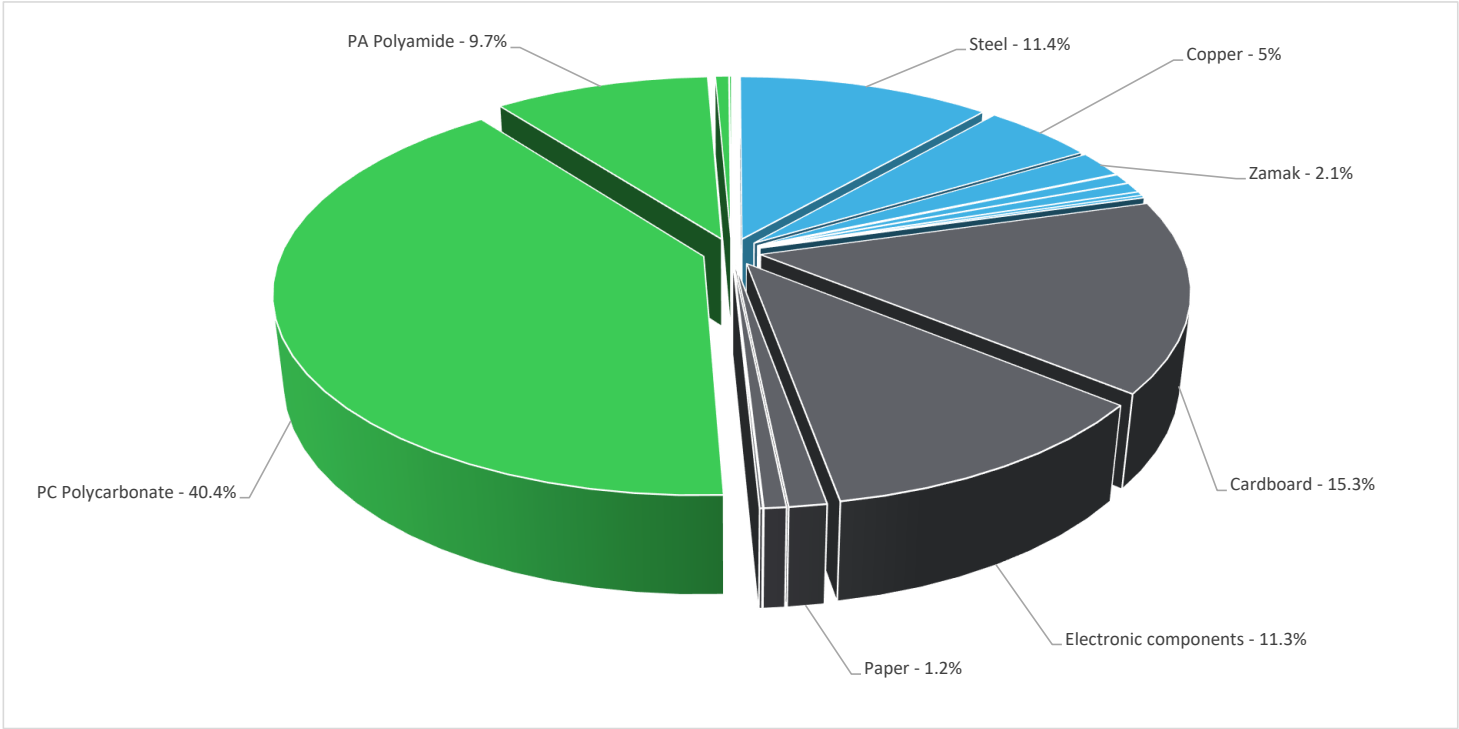
General information

Reference product	EVlink ProAC 7.4kW2STE6mARCDAsiMNXMID - EVB3S07N4EAM
Description of the product	EVlink Pro AC is designed to enable highly reliable, flexible and sustainable smart charging for multi dwelling housing and buildings. Charging mode is mode 3, Charging type is normal. It includes one RFID control system, one or two types sockets, RCD protect module and 4G communication module etc. The elements used fot connecting the station to the mains grid and to the monitoring and communication network are excluded.
Functional unit	supply 1 kW to one vehicle in accordance with the reference use scenario at the charging point. The reference use scenario includes the charging through AC in private charging points during 10 years. The product being defined in the reference scenarios below: - IEC/EN 61851-1 - IEC 61851-21-2 - IEC 61439-7



Constituent materials

Reference product mass	9104.58 2 g	including the product, its packaging and additional elements and accessories
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Plastics	50.80%
Metals	20.60%
Others	28.60%



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:	22%	Recyclability rate has been calculated based on REEECY'LAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the "ECO'DEEE recyclability and recoverability calculation method" was taken. If no data was found a conservative assumption was used (0% recyclability).
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 Environmental impacts

Reference service life time	10 years			
Installation elements	EVB3S07N4EAM does not require any installation operations.			
Use scenario	The product is in active mode 30% of the time with a power use of 10W and in stand-by mode 70% of the time with a power use of 7W, for 10 years			
Technological representativeness	EVlink Pro AC is designed to enable highly reliable, flexible and sustainable smart charging for multi dwelling housing and buildings. Charging mode is mode 3, Charging type is normal. It includes one RFID control system, one or two types sockets, RCD protect module and 4G communication module etc. The elements used fot connecting the station to the mains grid and to the monitoring and communication network are excluded.			
Geographical representativeness	Europe			
Energy model used	[A1 - A3]	[A5]	[B6]	[C1 - C4]
	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; UE-27	Electricity Mix; Production mix; Low voltage; UE-27	Electricity Mix; Production mix; Low voltage; UE-27

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - <http://www.schneider-electric.com/contact>

All indicators below are scaled down to the supply of 1KWh of energy

Mandatory Indicators			EVlink ProAC 7.4kwT2STE6mARCDAsiMNXMID - EVB3S07N4EAM					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	Benefits
			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]
Contribution to climate change	kg CO2 eq	7.98E-01	3.52E-01	3.61E-03	3.89E-03	4.10E-01	2.88E-02	-2.13E-02
Contribution to climate change-fossil	kg CO2 eq	7.96E-01	3.51E-01	3.61E-03	3.72E-03	4.09E-01	2.86E-02	-2.09E-02
Contribution to climate change-biogenic	kg CO2 eq	1.65E-03	7.89E-04	0*	1.73E-04	5.47E-04	1.38E-04	-3.54E-04
Contribution to climate change-land use and land use change	kg CO2 eq	3.62E-09	1.39E-09	0*	0*	0*	2.23E-09	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	4.57E-08	4.03E-08	3.19E-09	2.58E-10	1.75E-09	1.62E-10	-3.78E-09
Contribution to acidification	mol H+ eq	4.73E-03	2.32E-03	1.57E-05	1.54E-05	2.34E-03	4.22E-05	-2.43E-04
Contribution to eutrophication, freshwater	kg (PO4) ³⁻ eq	7.73E-06	1.82E-06	0*	2.81E-08	1.12E-06	4.76E-06	-1.97E-08
Contribution to eutrophication marine	kg N eq	5.50E-04	2.65E-04	7.21E-06	4.09E-06	2.66E-04	7.71E-06	-1.60E-05
Contribution to eutrophication, terrestrial	mol N eq	7.03E-03	2.84E-03	7.82E-05	3.09E-05	3.99E-03	9.43E-05	-1.69E-04
Contribution to photochemical ozone formation - human health	kg COVNM eq	1.85E-03	9.34E-04	2.56E-05	8.24E-06	8.53E-04	2.59E-05	-6.25E-05
Contribution to resource use, minerals and metals	kg Sb eq	6.12E-05	6.10E-05	0*	0*	2.97E-08	1.34E-07	-5.17E-06
Contribution to resource use, fossils	MJ	1.51E+01	4.21E+00	4.39E-02	4.05E-02	1.04E+01	4.01E-01	-3.63E-01
Contribution to water use	m3 eq	1.45E-01	1.21E-01	1.83E-04	1.66E-03	1.45E-02	7.39E-03	-1.38E-02

Additional indicators for the French regulation are available as well

Inventory flows Indicators			EVlink ProAC 7.4kW T2STE6mARCDAsiMNXMID - EVB3S07N4EAM					
Inventory flows	Unit	Total	Manufact.	Distribution	Installation	Use	End of Life	Benefits
			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	2.11E+00	9.47E-02	0*	2.91E-03	2.01E+00	3.40E-03	1.94E-02
Contribution to use of renewable primary energy resources used as raw material	MJ	4.30E-02	4.30E-02	0*	0*	0*	0*	-4.20E-02
Contribution to total use of renewable primary energy resources	MJ	2.15E+00	1.38E-01	0*	2.91E-03	2.01E+00	3.40E-03	-2.26E-02
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.49E+01	3.96E+00	4.39E-02	4.05E-02	1.04E+01	4.01E-01	-3.70E-01
Contribution to use of non renewable primary energy resources used as raw material	MJ	2.51E-01	2.51E-01	0*	0*	0*	0*	7.61E-03
Contribution to total use of non-renewable primary energy resources	MJ	1.51E+01	4.21E+00	4.39E-02	4.05E-02	1.04E+01	4.01E-01	-3.63E-01
Contribution to use of secondary material	kg	2.97E-04	2.97E-04	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	m³	3.37E-03	2.81E-03	4.27E-06	3.87E-05	3.38E-04	1.72E-04	-3.20E-04
Contribution to hazardous waste disposed	kg	1.09E+00	1.07E+00	0*	0*	7.66E-03	1.01E-02	-4.17E-01
Contribution to non hazardous waste disposed	kg	2.05E-01	1.25E-01	0*	1.27E-02	5.90E-02	7.67E-03	-7.19E-02
Contribution to radioactive waste disposed	kg	5.10E-05	3.59E-05	7.18E-07	1.70E-06	1.23E-05	3.46E-07	-8.28E-06
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	4.62E-03	0*	0*	2.14E-03	0*	2.48E-03	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	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to biogenic carbon content of the product	kg de C	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to biogenic carbon content of the associated packaging	kg de C	0.00E+00	0*	0*	0*	0*	0*	0.00E+00

* represents less than 0.01% of the total life cycle of the reference flow
Life cycle assessment performed with EIME version v5.9.4, database version 2022-01 in compliance with ISO14044.

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - <http://www.schneider-electric.com/contact>

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 :	SCHN-00768-V01.01-EN	Drafting rules	PEP-PCR-ed4-2021 09 06
Verifier accreditation N°	0	Supplemented by	PSR-0018-ed1-EN-2021 09 13
Date of issue	2024/02/28	Information and reference documents	www.pep-ecopassport.org
		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010			
Internal X 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			
The elements of the present PEP cannot be compared with elements from another program.			
Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »			



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