

Product Environmental Profile

EVlink Smart Wallbox 7 22 kW T2S RFID





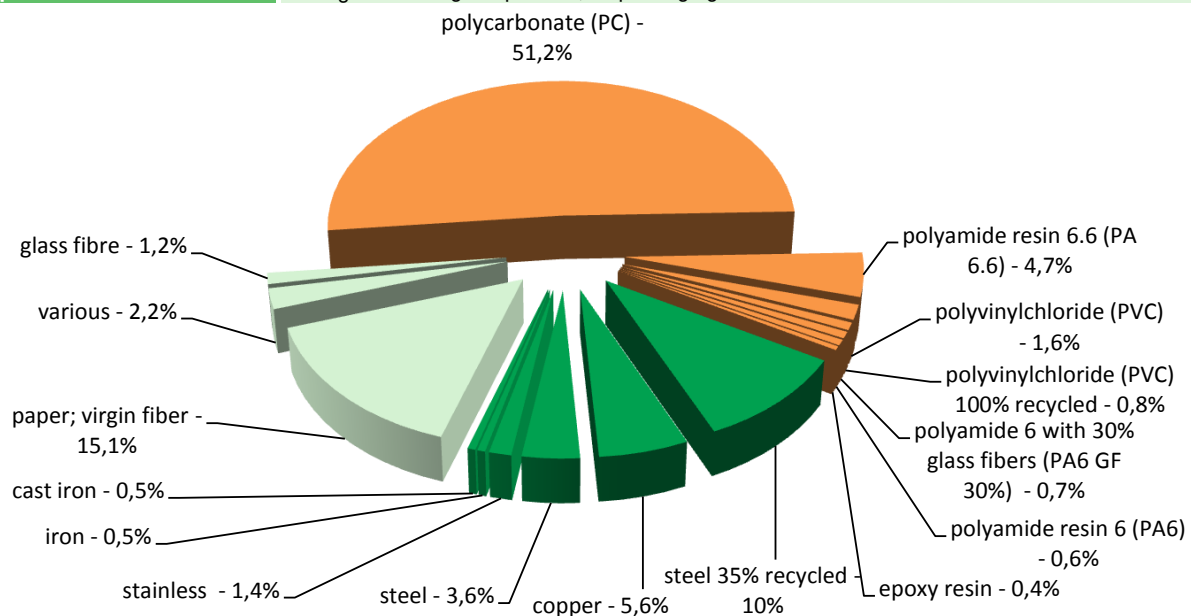
General information

Representative product	EVlink Smart Wallbox 7 22 kW T2S RFID -EVB1A22P4RI
Description of the product	The EVlink Smart Wallbox station is designed to allow private persons to have a charging point dedicated to their electric vehicle. Its function unit is to allow the charging of an electrical vehicle 7 hours a day for 10 years.
Functional unit	Charging an electrical vehicle with power 7 to 22 kW, with RFID identifier, with T2S outlet during 10 years.



Constituent materials

Reference product mass	7610 g including the product, its packaging and additional elements and accessories
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Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers - PBDE) as mentioned in the Directive

As the products of the range are designed in accordance with the RoHS Directive (European Directive 2002/95/EC of 27 January 2003), they can be incorporated without any restriction in an assembly or an installation subject to this Directive.

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website

<http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page>



Additional environmental information

The EVlink Smart Wallbox 7 22 kW T2S RFID presents the following relevant environmental aspects

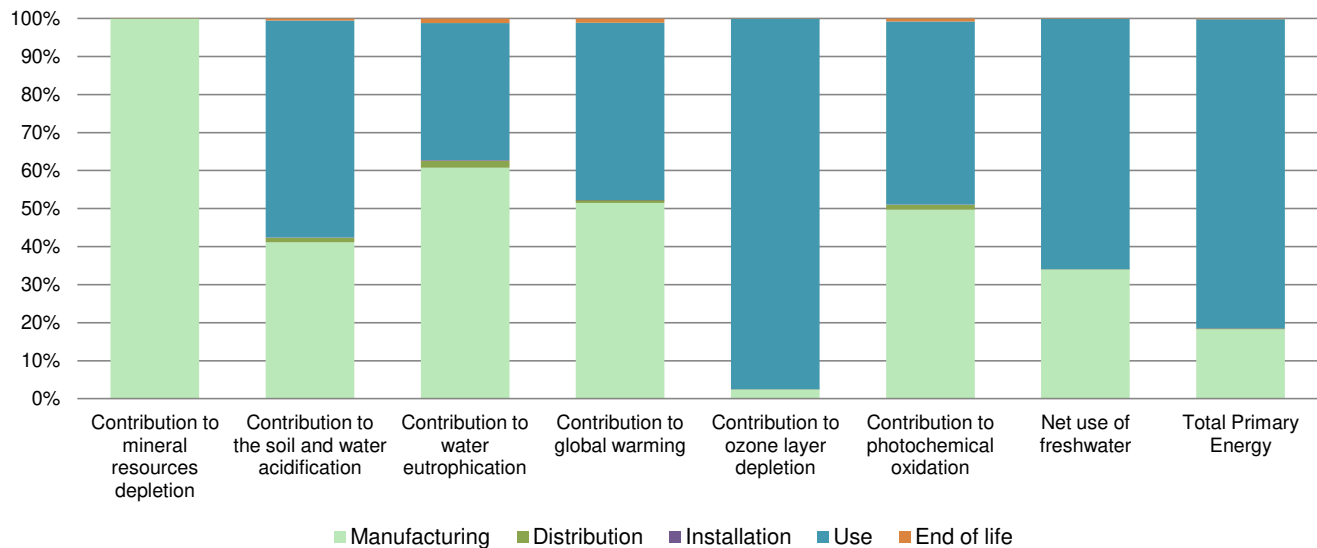
Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 1052,8 g, consisting of Cardboard (100%) Product distribution optimised by setting up local distribution centres
Installation	Ref EVB1A22P4RI does not require any installation operations.
Use	The product does not require special maintenance operations.
End of life	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials This product contains that should be separated from the stream of waste so as to optimize end-of-life treatment. Recyclability potential: 21% Based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).



Environmental impacts

Reference life time	10 years			
Installation elements	No special components needed			
Use scenario	The product is in active mode 29% of the time with a power use of 6,36W and in stand-by mode 71% of the time with a power use of 4,24W, for 10 years			
Geographical representativeness	France			
Technological representativeness	The EVlink Smart Wallbox station is designed to allow private persons to have a charging point dedicated to their electric vehicle. Its function unit is to allow the charging of an electrical vehicle 7 hours a day for 10 years.			
Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: France	Electricity Mix; AC; consumption mix, at consumer; 1kV - 60kV; FR	Electricity Mix; AC; consumption mix, at consumer; 1kV - 60kV; FR	Electricity Mix; AC; consumption mix, at consumer; 1kV - 60kV; FR

Compulsory indicators		EVlink Smart Wallbox 7 22 kW T2S RFID - EVB1A22P4RI					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	2,98E-02	2,98E-02	0*	0*	1,40E-05	0*
Contribution to the soil and water acidification	kg SO ₂ eq	3,84E-01	1,58E-01	4,48E-03	3,16E-04	2,19E-01	2,10E-03
Contribution to water eutrophication	kg PO ₄ ³⁻ eq	5,60E-02	3,41E-02	1,03E-03	7,49E-05	2,02E-02	6,68E-04
Contribution to global warming	kg CO ₂ eq	1,33E+02	6,85E+01	9,82E-01	1,01E-01	6,19E+01	1,53E+00
Contribution to ozone layer depletion	kg CFC11 eq	1,38E-04	3,50E-06	0*	0*	1,34E-04	5,96E-08
Contribution to photochemical oxidation	kg C ₂ H ₄ eq	2,63E-02	1,31E-02	3,20E-04	3,32E-05	1,26E-02	2,12E-04
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	1,07E+00	3,64E-01	0*	1,23E-04	7,03E-01	1,15E-03
Total Primary Energy	MJ	6,75E+03	1,23E+03	1,39E+01	1,73E+00	5,49E+03	1,14E+01



Optional indicators		EVlink Smart Wallbox 7 22 kW T2S RFID - EVB1A22P4RI					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	1,46E+03	8,62E+02	1,38E+01	1,42E+00	5,70E+02	9,25E+00
Contribution to air pollution	m³	8,05E+03	6,44E+03	4,18E+01	1,11E+01	1,48E+03	7,35E+01
Contribution to water pollution	m³	3,10E+04	2,81E+04	1,61E+02	1,19E+01	2,43E+03	2,67E+02
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	7,00E-01	7,00E-01	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	2,90E+02	3,07E+01	0*	0*	2,60E+02	0*
Total use of non-renewable primary energy resources	MJ	6,46E+03	1,20E+03	1,39E+01	1,73E+00	5,23E+03	1,14E+01
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	2,70E+02	1,05E+01	0*	0*	2,60E+02	0*
Use of renewable primary energy resources used as raw material	MJ	2,02E+01	2,02E+01	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	6,30E+03	1,04E+03	1,39E+01	1,73E+00	5,23E+03	1,14E+01
Use of non renewable primary energy resources used as raw material	MJ	1,61E+02	1,61E+02	0*	0*	0*	0*
Use of non renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*
Use of renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*
Waste categories	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Hazardous waste disposed	kg	1,43E+02	1,29E+02	0*	2,11E+00	0*	1,16E+01
Non hazardous waste disposed	kg	1,08E+02	5,50E+00	3,49E-02	0*	1,02E+02	3,06E-02
Radioactive waste disposed	kg	1,69E+00	3,10E-03	0*	0*	1,68E+00	0*
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	1,52E+00	1,78E-01	0*	0*	0*	1,34E+00
Components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	2,86E-01	3,28E-02	0*	0*	0*	2,53E-01
Exported Energy	MJ	0,00E+00	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 EIME v5.5, database version 2015-04.

The end of life phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

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 N°	SCHN-00073-V01.01-EN	Drafting rules	PCR-ed3-EN-2015 04 02
Verifier accreditation N°	VH08	Information and reference documents Validity period	www.pep-ecopassport.org 5 years
Date of issue	05-2016		
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010			
Internal	External x		
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)			
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 »			





Schneider Electric Industries SAS

Country Customer Care Center

www.schneider-electric.com/contact

35, rue Joseph Monier

CS 30323

F- 92506 Rueil Malmaison Cedex

RCS Nanterre 954 503 439

Capital social 896 313 776 €

www.schneider-electric.com

Published by Schneider Electric

SCHN-00073-V01.01-EN

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05-2016