

Product Environmental Profile

Overhead dispenser, Schneider StarCharge Fast 720, 1xCCS2, 10m cable range

Schneider StarCharge Fast 720





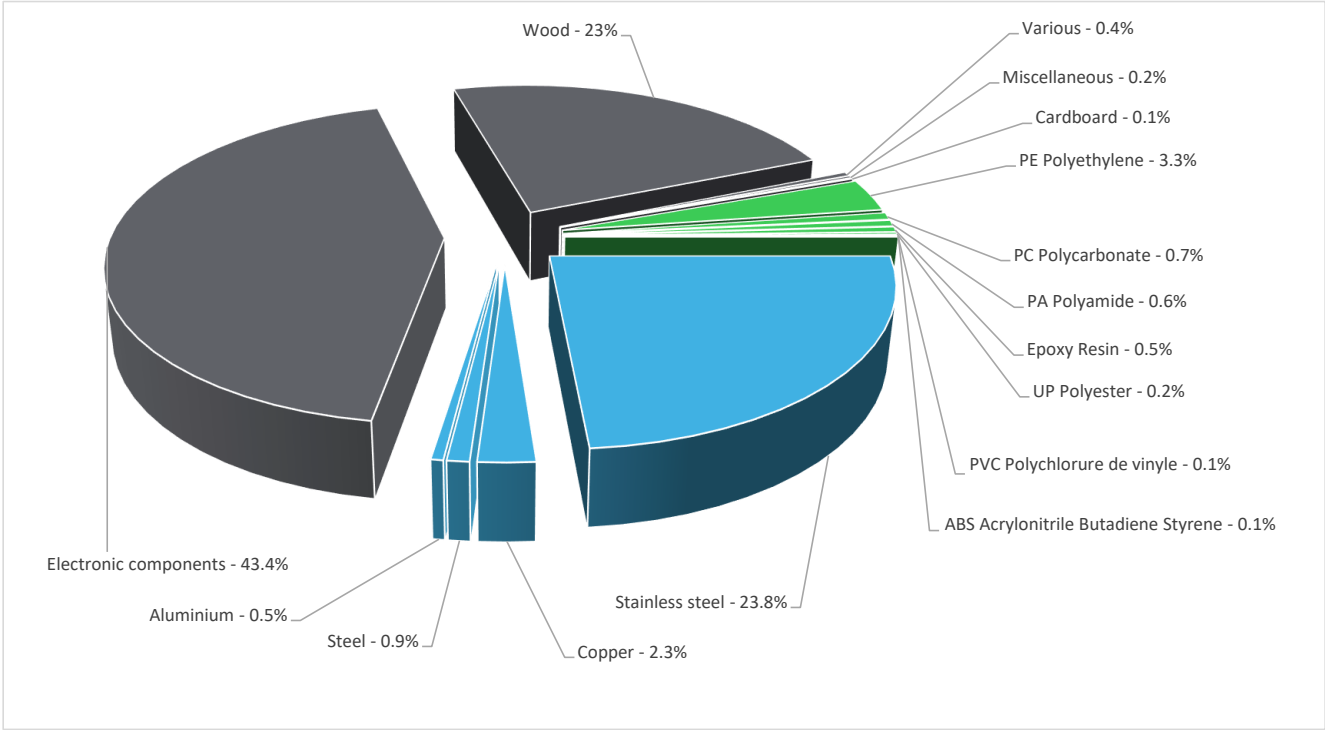
General information

Reference product	Overhead dispenser, Schneider StarCharge Fast 720, 1xCCS2, 10m cable range - EVD1T720P0B
Description of the product	The Schneider StarCharge Fast 720 can be wall-mounted or roof-mounted. It is compatible with 720kW power cabinets. Its function is to enable the full charging of an electric vehicle within 1 hour.
Description of the range	Single product
Functional unit	Supply 1 kW 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: IEC61851-23:2014 IEC61851-1:2010 IEC61851-1:2017 ENIEC61851-1:2019, ENIEC61851-1:2019/AC:2023-12 EN61851-1:2011, EN61851-23:2014, EN61851-23:2014/AC:2016-06 IECTS61439-7:2014 IEC61439-7:2022 EN61851-24:2014, EN61851-24:2014/AC:2015 ENIEC61851-21-2:2021 ENIEC61000-6-2:2019 ENIEC61000-6-4:2019 ISO/IEC15118-2/-3/-4/-5 DIN70121



Constituent materials

Reference product mass	97024 g including the product, its packaging, additional elements and accessories
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Plastics	5.5%
Metals	27.5%
Others	67.0%



Substance assessment

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

 Additional environmental information

End Of Life	Recyclability potential:	51%	The recyclability rate was calculated from the recycling rates of each material making up the product based on REEECYLAB 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

Reference service life time	10 years		
Product category	Public station on a base - Public station on a base and running on direct current (DC)		
Life cycle of the product	The manufacturing, the distribution, the installation, the use and the end of life were taken into consideration in this study		
Electricity consumption	The electricity consumed during manufacturing processes is considered for each part of the product individually, the final assembly generates a negligible consumption		
Installation elements	The product must be installed according to the specifications and requirements as defined by Schneider Electric. The installation must be done by certified personnel only (according to local standards).		
Use scenario	The product is in active mode 30% of the time with a power use of 500000W; in stand-by mode 70% of the time with a power use of 25W during 10 years.		
Time representativeness	The collected data are representative of the year 2026		
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 représentative of the actual type of technologies used to make the product.		
Geographical representativeness	Final assembly site	Use phase	
	China	France	
Energy model used	[A1 - A3]	[A5]	[B6]
	Electricity Mix; Low voltage; 2020; China, CN	No energy used	Electricity Mix; Low voltage; 2020; France, FR
		[C1 - C4]	
		Global, European and French datasets are used.	

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		Overhead dispenser, Schneider StarCharge Fast 720, 1xCCS2, 10m cable range - EVD1T720P0B						
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	9.00E-02	4.60E-05	0*	0*	8.99E-02	9.56E-06	-9.76E-06
Contribution to climate change-fossil	kg CO2 eq	8.50E-02	4.53E-05	0*	0*	8.49E-02	9.14E-06	-1.03E-05
Contribution to climate change-biogenic	kg CO2 eq	5.03E-03	7.16E-07	0*	2.46E-06	5.03E-03	0*	5.10E-07
Contribution to climate change-land use and land use change	kg CO2 eq	8.63E-11	8.50E-11	0*	0*	0*	1.30E-12	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	1.00E-09	5.52E-12	2.22E-12	0*	9.97E-10	1.80E-13	-3.05E-12
Contribution to acidification	mol H+ eq	4.22E-04	8.87E-07	0*	0*	4.21E-04	0*	-1.88E-07
Contribution to eutrophication, freshwater	kg P eq	2.82E-06	0*	0*	0*	2.82E-06	0*	-3.41E-11
Contribution to eutrophication, marine	kg N eq	5.81E-05	4.66E-08	0*	0*	5.80E-05	6.25E-09	-6.90E-09
Contribution to eutrophication, terrestrial	mol N eq	9.69E-04	5.52E-07	0*	0*	9.69E-04	0*	-7.83E-08
Contribution to photochemical ozone formation - human health	kg COVNM eq	1.70E-04	2.05E-07	1.79E-08	0*	1.70E-04	1.88E-08	-3.65E-08
Contribution to resource use, minerals and metals	kg Sb eq	1.04E-07	2.82E-09	0*	0*	1.01E-07	0*	-2.57E-09
Contribution to resource use, fossils	MJ	1.18E+01	0*	0*	0*	1.18E+01	0*	-1.57E-04
Contribution to water use	m3 eq	1.66E-02	8.82E-05	0*	0*	1.65E-02	0*	-1.07E-05

Inventory flows Indicators			Overhead dispenser, Schneider StarCharge Fast 720, 1xCCS2, 10m cable range - EVD1T720P0B					
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	1.34E+00	0*	0*	0*	1.34E+00	0*	-4.79E-06
Contribution to renewable primary energy used as raw material	MJ	4.50E-05	4.50E-05	0*	0*	0*	0*	-9.46E-06
Contribution to total renewable primary energy	MJ	1.34E+00	0*	0*	0*	1.34E+00	0*	-1.42E-05
Contribution to non renewable primary energy used as energy	MJ	1.18E+01	0*	0*	0*	1.18E+01	0*	-1.53E-04
Contribution to non renewable primary energy used as raw material	MJ	7.20E-05	7.20E-05	0*	0*	0*	0*	-4.35E-06
Contribution to total non renewable primary energy	MJ	1.18E+01	0*	0*	0*	1.18E+01	0*	-1.57E-04
Contribution to use of secondary material	kg	7.97E-09	7.97E-09	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	3.88E-04	2.05E-06	0*	0*	3.86E-04	0*	-2.50E-07
Contribution to hazardous waste disposed	kg	3.87E-03	1.82E-04	0*	0*	3.69E-03	1.76E-06	-1.93E-04
Contribution to non hazardous waste disposed	kg	1.70E-02	4.24E-05	0*	0*	1.70E-02	3.60E-06	-3.76E-06
Contribution to radioactive waste disposed	kg	4.04E-06	4.49E-09	5.01E-10	0*	4.04E-06	0*	-2.12E-09
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	3.81E-06	6.49E-07	0*	5.91E-07	0*	2.57E-06	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	8.85E-07	3.41E-07	0*	5.25E-07	0*	1.84E-08	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	8.73E+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		Overhead dispenser, Schneider StarCharge Fast 720, 1xCCS2, 10m cable range - EVD1T720P0B							
Impact indicators	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to climate change	kg CO2 eq	8.99E-02	0*	0*	0*	0*	0*	8.99E-02	0*
Contribution to climate change-fossil	kg CO2 eq	8.49E-02	0*	0*	0*	0*	0*	8.49E-02	0*
Contribution to climate change-biogenic	kg CO2 eq	5.03E-03	0*	0*	0*	0*	0*	5.03E-03	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	9.97E-10	0*	0*	0*	0*	0*	9.97E-10	0*
Contribution to acidification	mol H+ eq	4.21E-04	0*	0*	0*	0*	0*	4.21E-04	0*
Contribution to eutrophication, freshwater	kg P eq	2.82E-06	0*	0*	0*	0*	0*	2.82E-06	0*
Contribution to eutrophication marine	kg N eq	5.80E-05	0*	0*	0*	0*	0*	5.80E-05	0*
Contribution to eutrophication, terrestrial	mol N eq	9.69E-04	0*	0*	0*	0*	0*	9.69E-04	0*
Contribution to photochemical ozone formation - human health	kg COVNM eq	1.70E-04	0*	0*	0*	0*	0*	1.70E-04	0*
Contribution to resource use, minerals and metals	kg Sb eq	1.01E-07	0*	0*	0*	0*	0*	1.01E-07	0*
Contribution to resource use, fossils	MJ	1.18E+01	0*	0*	0*	0*	0*	1.18E+01	0*
Contribution to water use	m3 eq	1.65E-02	0*	0*	0*	0*	0*	1.65E-02	0*

Inventory flows Indicators		Overhead dispenser, Schneider StarCharge Fast 720, 1xCCS2, 10m cable range - EVD1T720P0B							
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	1.34E+00	0*	0*	0*	0*	0*	1.34E+00	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	1.34E+00	0*	0*	0*	0*	0*	1.34E+00	0*
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.18E+01	0*	0*	0*	0*	0*	1.18E+01	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	1.18E+01	0*	0*	0*	0*	0*	1.18E+01	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	3.86E-04	0*	0*	0*	0*	0*	3.86E-04	0*
Contribution to hazardous waste disposed	kg	3.69E-03	0*	0*	0*	0*	0*	3.69E-03	0*
Contribution to non hazardous waste disposed	kg	1.70E-02	0*	0*	0*	0*	0*	1.70E-02	0*
Contribution to radioactive waste disposed	kg	4.04E-06	0*	0*	0*	0*	0*	4.04E-06	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 v6.2.4, database version 2024-01 in compliance with ISO14044, EF3.1 method is applied, for biogenic carbon storage, assessment methodology -1/1 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 :	ENVPEP2604018_V1	Drafting rules	PEP-PCR-ed4-2021 09 06
Date of issue	01/05/2026	Supplemented by	PSR-0018-ed1-2021 09 13
		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”			

Schneider Electric Industries SAS

Country Customer Care Center
<http://www.se.com/contact>

Head Office
35, rue Joseph Monier
CS 30323
F- 92500 Rueil Malmaison Cedex
RCS Nanterre 954 503 439
Capital social 928 298 512 €

www.se.com

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