Product Environmental Profile

Classic Battery Cabinet, IEC, 1000mm wide, Config A2, Galaxy VS/VL UPS and Easy UPS 3-Phase Modular

General information

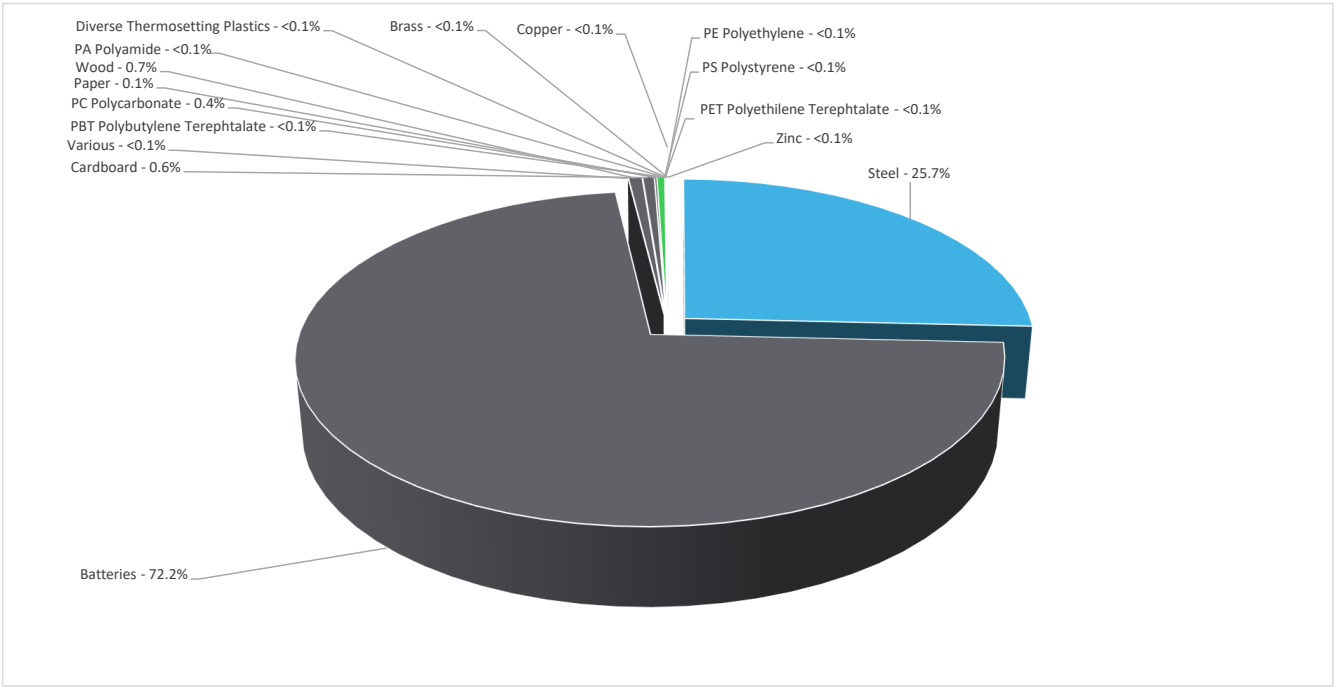
Reference product	Classic Battery Cabinet, IEC, 1000mm wide, Config A2, Galaxy VS/VL UPS and Easy UPS 3-Phase Modular - GVSCBC10A2
Description of the product	Primary function of the product is to provide extended runtime and energy storage for these UPS systems by housing additional batteries. It ensures backup power availability during outages.
Description of the range	The Classic Battery Cabinet is a 1000mm wide, VRLA battery solution compatible with Galaxy VS and Easy UPS 3-Phase Modular, ensuring reliable power backup and efficient energy management for data centers. The Products of the range are:

CR Number	Capacity (AH)	Net weight (kg)	Weight with packaging (kg)	No of batteries	Dimensions (mm)
GVSCBC10B2	3800	1512	1548	40	1002X845X1900
GVSCBC7A	1200	580	616	48	704X845X1900
GVSCBC7B	1760	748	784	44	704X845X1900
GVSCBC7C	1980	920	956	36	704X845X1900
GVSCBC7D	1400	569	605	40	704X845X1900
GVSCBC7E	1610	790	826	46	704X845X1900
E3MCBC10A	2952	1097	1133	36	1002X845X1900
E3MCBC10B	3420	1277	1313	36	1002X845X1900
E3MCBC10C	3800	1404	1440	40	1002X845X1900
E3MCBC10D	5904	2182	2222	72	2004X845X1900
E3MCBC10E	6840	2542	2582	72	2004X845X1900
E3MCBC7C	1330	531	567	38	704X845X1900
E3MCBC7D	1980	800	836	36	704X845X1900
GVSCBC10A2	**2640**	**1200**	**1236**	**48**	**1010X845X1900**

Functional unit	An external battery cabinet with factory-installed VRLA batteries and integrated breaker, designed to provide extended backup power for Galaxy VS/VL or Easy Modular UPS systems in data centers and industrial environments
Specifications are:	Product dimension: 1010X845X1900 (mm); Number of battery blocks: 48; Total capacity: 2640 AH

Constituent materials

Reference product mass	1236 kg	including the product, its packaging, additional elements and accessories



Plastics	0.5%
Metals	25.8%
Others	73.7%

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:	**88%**	The recyclability rate was calculated from the recycling rates of each material making up the product based on REEECY'LAB 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).

Environmental impacts

Reference service life time	5 years			
Product category	Combinations of functions			
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	No special components needed			
Use scenario	The Use phase primarily consists of the battery float charge current. Per IEE 1188-2005, it is estimated as 50mA (12V) or 0.6 W of float current per 100AH of VRLA battery capacity with With a total 2640 AH, the referent product power consumption is estimated at 15.8W			
Time representativeness	The collected data are representative of the year 2025			
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 representative of the actual type of technologies used to make the product.			
Geographical representativeness	**Final assembly site**	**Use phase**		**End-of-life**
	France	Europe		Europe
Energy model used	**[A1 - A3]**	**[A5]**	**[B6]**	**[C1 - C4]**
	Electricity Mix; Low voltage; 2020; Europe, EU-27	No energy used	Electricity Mix; Low voltage; 2020; Europe, EU-27	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

Mandatory Indicators		**Classic Battery Cabinet, IEC, 1000mm wide, Config A2, Galaxy VS/VL UPS and Easy UPS 3-Phase Modular - GVSCBC10A2**						
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	5.64E+03	3.94E+03	4.85E+01	3.77E+01	5.59E+02	1.05E+03	-1.16E+03
Contribution to climate change-fossil	kg CO2 eq	5.66E+03	4.00E+03	4.85E+01	1.49E+01	5.47E+02	1.05E+03	-1.17E+03
Contribution to climate change-biogenic	kg CO2 eq	-1.80E+01	-5.55E+01	0*	0*	0*	0*	8.67E+00
Contribution to climate change-land use and land use change	kg CO2 eq	8.96E-03	8.80E-03	0*	0*	0*	1.57E-04	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	8.07E-04	7.44E-04	4.30E-05	1.24E-07	2.40E-06	1.76E-05	-1.75E-04

Contribution to acidification	mol H+ eq	4.48E+01	3.78E+01	2.19E-01	2.89E-02	2.93E+00	3.89E+00	-7.85E+00
Contribution to eutrophication, freshwater	kg P eq	1.90E-02	1.34E-02	5.71E-06	2.10E-04	1.34E-03	4.05E-03	-1.89E-03
Contribution to eutrophication, marine	kg N eq	7.48E+00	5.94E+00	1.01E-01	1.25E-02	3.43E-01	1.08E+00	-6.93E-01
Contribution to eutrophication, terrestrial	mol N eq	8.33E+01	6.47E+01	1.10E+00	9.42E-02	5.49E+00	1.19E+01	-8.05E+00
Contribution to photochemical ozone formation - human health	kg COVNM eq	2.46E+01	2.00E+01	3.56E-01	2.36E-02	1.09E+00	3.13E+00	-2.85E+00
Contribution to resource use, minerals and metals	kg Sb eq	3.78E+00	3.78E+00	0*	0*	0*	0*	-3.80E-01
Contribution to resource use, fossils	MJ	1.68E+05	1.44E+05	6.07E+02	8.78E+01	1.34E+04	9.63E+03	-2.74E+04
Contribution to water use	m3 eq	1.65E+03	1.52E+03	2.47E+00	1.28E+00	4.24E+01	7.76E+01	-5.46E+02

Inventory flows Indicators		Classic Battery Cabinet, IEC, 1000mm wide, Config A2, Galaxy VS/VL UPS and Easy UPS 3-Phase Modular - GVSCBC10A2						
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	3.74E+03	1.88E+02	0*	4.93E+01	3.14E+03	3.57E+02	-2.15E+02
Contribution to renewable primary energy used as raw material	MJ	1.35E+03	1.35E+03	0*	0*	0*	0*	-1.60E+02
Contribution to total renewable primary energy	MJ	5.09E+03	1.54E+03	0*	4.93E+01	3.14E+03	3.57E+02	-3.75E+02
Contribution to non renewable primary energy used as energy	MJ	1.65E+05	1.41E+05	6.07E+02	8.78E+01	1.34E+04	9.63E+03	-2.74E+04
Contribution to non renewable primary energy used as raw material	MJ	2.34E+03	2.34E+03	0*	0*	0*	0*	0.00E+00
Contribution to total non renewable primary energy	MJ	1.68E+05	1.44E+05	6.07E+02	8.78E+01	1.34E+04	9.63E+03	-2.74E+04
Contribution to use of secondary material	kg	2.42E-01	2.42E-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	3.89E+01	3.55E+01	5.76E-02	6.82E-02	9.91E-01	2.31E+00	-1.27E+01
Contribution to hazardous waste disposed	kg	1.42E+03	1.27E+03	0*	2.16E-01	1.54E+01	1.36E+02	-3.00E+04
Contribution to non hazardous waste disposed	kg	1.01E+03	5.15E+02	0*	1.02E+01	8.43E+01	3.96E+02	-9.60E+02
Contribution to radioactive waste disposed	kg	2.82E-01	2.28E-01	9.69E-03	7.58E-04	1.99E-02	2.34E-02	-4.33E-01
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	3.36E+02	1.87E+01	0*	8.81E+00	0*	3.09E+02	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	7.13E+00	9.85E-01	0*	3.15E+00	0*	3.00E+00	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	5.50E+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		Classic Battery Cabinet, IEC, 1000mm wide, Config A2, Galaxy VS/VL UPS and Easy UPS 3-Phase Modular - GVSCBC10A2							
Impact indicators	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to climate change	kg CO2 eq	5.59E+02	0*	0*	0*	0*	0*	5.59E+02	0*
Contribution to climate change-fossil	kg CO2 eq	5.47E+02	0*	0*	0*	0*	0*	5.47E+02	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	2.40E-06	0*	0*	0*	0*	0*	2.40E-06	0*
Contribution to acidification	mol H+ eq	2.93E+00	0*	0*	0*	0*	0*	2.93E+00	0*
Contribution to eutrophication, freshwater	kg P eq	1.34E-03	0*	0*	0*	0*	0*	1.34E-03	0*
Contribution to eutrophication marine	kg N eq	3.43E-01	0*	0*	0*	0*	0*	3.43E-01	0*
Contribution to eutrophication, terrestrial	mol N eq	5.49E+00	0*	0*	0*	0*	0*	5.49E+00	0*
Contribution to photochemical ozone formation - human health	kg COVNM eq	1.09E+00	0*	0*	0*	0*	0*	1.09E+00	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	1.34E+04	0*	0*	0*	0*	0*	1.34E+04	0*
Contribution to water use	m3 eq	4.24E+01	0*	0*	0*	0*	0*	4.24E+01	0*

Inventory flows Indicators		Classic Battery Cabinet, IEC, 1000mm wide, Config A2, Galaxy VS/VL UPS and Easy UPS 3-Phase Modular - GVSCBC10A2							
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	3.14E+03	0*	0*	0*	0*	0*	3.14E+03	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	3.14E+03	0*	0*	0*	0*	0*	3.14E+03	0*
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.34E+04	0*	0*	0*	0*	0*	1.34E+04	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	1.34E+04	0*	0*	0*	0*	0*	1.34E+04	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	9.91E-01	0*	0*	0*	0*	0*	9.91E-01	0*
Contribution to hazardous waste disposed	kg	1.54E+01	0*	0*	0*	0*	0*	1.54E+01	0*
Contribution to non hazardous waste disposed	kg	8.43E+01	0*	0*	0*	0*	0*	8.43E+01	0*
Contribution to radioactive waste disposed	kg	1.99E-02	0*	0*	0*	0*	0*	1.99E-02	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*

Extrapolated data

Product information	Commercail Reference	GVSCBC10B2	GVSCBC7A	GVSCBC7B	GVSCBC7C	GVSCBC7D
	Weight with Packaging (kg)	1548	616	784	956	605
Compulsory environmental indicators - 'Total' of Life	Contribution to climate change (kg CO2 eq)	5.64E+03	2.64E+03	3.45E+03	4.20E+03	2.64E+03
	Contribution to Ozone depletion (kg CFC11 eq)	8.07E-04	3.79E-04	4.88E-04	6.01E-04	3.72E-04
	Contribution to Acidification (mol H+ eq)	4.48E+01	2.10E+01	2.73E+01	3.34E+01	2.09E+01
	Contribution to eutrophication, freshwater (kg PO43- eq)	1.90E-02	8.90E-02	1.16E-02	1.42E-02	8.84E-02
	Contribution to eutrophication marine (kg N eq)	7.48E+00	3.51E+00	4.55E+00	5.57E+00	3.47E+00
	Contribution to eutrophication, terrestrial (mol N eq)	8.33E+01	3.90E+01	5.07E+01	6.20E+01	3.87E+01
	Contribution to photochemical ozone formation - human health (kg COVNM eq)	2.46E+01	1.15E+01	1.50E+01	1.83E+01	1.14E+01
	Contribution to resource use, minerals and metals (kgSbeq)	3.78E+00	1.77E+00	2.29E+00	2.81E+00	1.74E+00
	Contribution to resource use, fossils (MJ)	1.68E+05	7.84E+04	1.02E+05	1.25E+05	7.81E+04
	Contribution to water use (m3 eq)	1.65E+03	772.020251	999.168218	1225.8704	760.966033

Product information	Commercail Reference	GVSCBC7E	E3MCBC10A	E3MCBC10B	E3MCBC10C	E3MCBC10D
	Weight with Packaging (kg)	826	1133	1313	1440	2222
Compulsory environmental indicators - 'Total' of Life	Contribution to climate change (kg CO2 eq)	3.59E+03	5.22E+03	5.97E+03	6.29E+03	1.04E+03
	Contribution to Ozone depletion (kg CFC11 eq)	5.16E-04	7.30E-04	8.34E-04	8.72E-04	1.45E-03
	Contribution to Acidification (mol H+ eq)	2.86E+01	4.12E+01	4.71E+01	4.95E+01	8.19E+01
	Contribution to eutrophication, freshwater (kg PO43- eq)	1.21E-02	1.75E-02	2.00E-02	2.10E-02	3.47E-02
	Contribution to eutrophication marine (kg N eq)	4.77E+00	6.83E+00	7.82E+00	8.20E+00	1.36E+01
	Contribution to eutrophication, terrestrial (mol N eq)	5.31E+01	7.64E+01	8.75E+01	9.19E+01	1.52E+01
	Contribution to photochemical ozone formation - human health (kg COVNM eq)	1.57E+01	2.25E+01	2.57E+01	2.70E+01	4.47E+01
	Contribution to resource use, minerals and metals (kgSbeq)	2.41E+00	3.41E+00	3.90E+00	4.08E+00	6.79E+00
	Contribution to resource use, fossils (MJ)	1.07E+05	1.54E+05	1.77E+05	1.86E+05	3.07E+05
	Contribution to water use (m3 eq)	1051.25789	1497.09511	1712.24928	1793.69361	2978.61724

Product information	Commercail Reference	E3MCBC10E	E3MCBC7C	E3MCBC7D	GVSCBC10A2
	Weight with Packaging (kg)	2582	567	836	1236
Compulsory environmental indicators - 'Total' of Life	Contribution to climate change (kg CO2 eq)	1.21E+03	2.55E+03	3.79E+03	5.50E+03
	Contribution to Ozone depletion (kg CFC11 eq)	1.69E-03	3.60E-04	5.35E-04	8.06E-04
	Contribution to Acidification (mol H+ eq)	9.52E+01	2.02E+01	3.00E+01	4.41E+01
	Contribution to eutrophication, freshwater (kg PO43- eq)	4.04E-02	8.55E-02	1.27E-02	1.87E-02
	Contribution to eutrophication marine (kg N eq)	1.58E+01	3.36E+00	4.99E+00	7.39E+00
	Contribution to eutrophication, terrestrial (mol N eq)	1.77E+01	3.74E+01	5.57E+01	8.19E+01
	Contribution to photochemical ozone formation - human health (kg COVNM eq)	5.20E+01	1.10E+01	1.64E+01	2.43E+01
	Contribution to resource use, minerals and metals (kgSbeq)	7.89E+00	1.68E+00	2.51E+00	3.78E+00
	Contribution to resource use, fossils (MJ)	3.57E+05	7.55E+04	1.12E+05	1.64E+05
	Contribution to water use (m3 eq)	3.46E+03	736.532887	1096.09555	1635.95894

Life cycle assessment performed with EIME version v6.2.5-6, database version 2024-01 in compliance with ISO14044, EF3.1 method is applied, for biogenic carbon storage, assessment methodology -1/1 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 :	ENVPEP2509002_V1	*Drafting rules*	PEP-PCR-ed4-2021 09 06
		Supplemented by	PSR-0005-ed3.1-EN-2023 12 08
Date of issue	11-2025	*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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