

Product Environmental Profile

Galaxy PW 2nd Gen 10-200 kVA 3:3 UPS





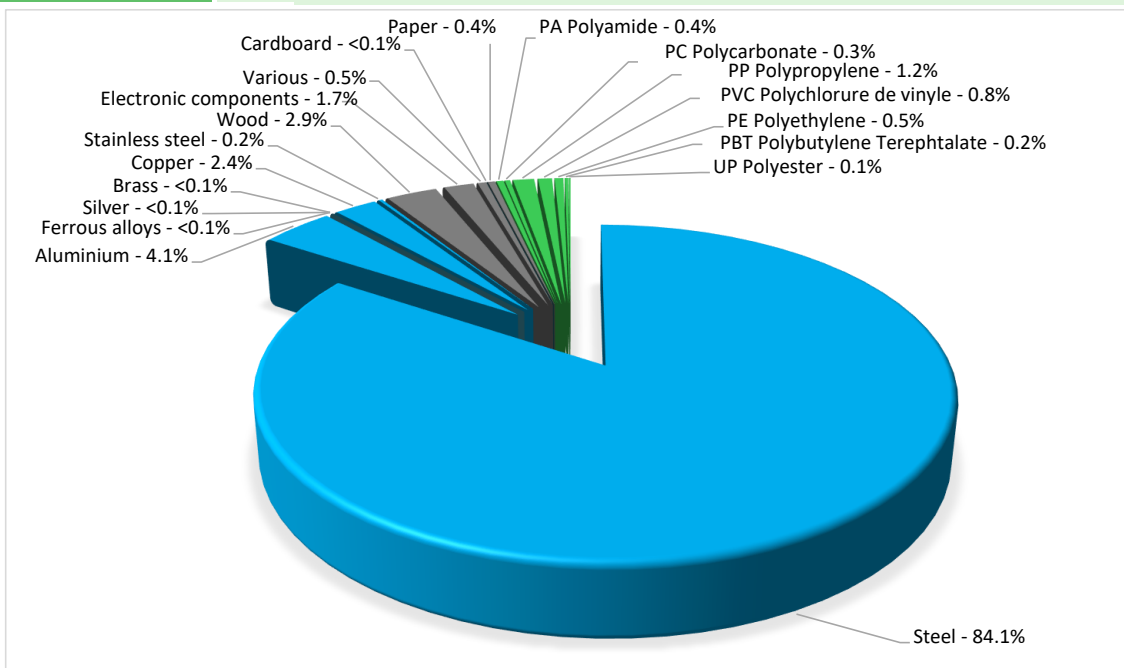
General information

Reference product	Galaxy PW 2nd Gen 200kVA 3:3 UPS 380VAC 12 Pulse 384VDC - EPWUPS200KH12P						
Description of the product	The Galaxy PW 2nd Gen 10-200 kVA uninterruptible power supply (UPS) is transformer-based, with an efficiency-boosting DC bus ideal for industrial applications. Designed for oil and gas, power, transportation, manufacturing, light industrial applications, and more, the Galaxy PW 2nd Gen UPS is optimized for reliability, based on over 35 years of Schneider Electric experience in UPS industry applications as well as the most advanced control and power electronics conversion technologies. It provides fast installation in electrical rooms, a wide operating temperature window, and robust overload protection, all in a footprint that's fit for industries.						
Description of the range	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. The products of the range are: Galaxy PW 2nd Gen 10-200 kVA 3:3						
	Linked products	Type	Net weight (kg)	Weight with packaging (kg)	Dimension (mm) HxWxD	Output performance classification	UPS rating (PF=0.8)
	EPWUPS100KH12P	Galaxy PW 2nd Gen 100kVA 3:3 UPS 380VAC 12 Pulse 384VDC	1063	1150	1800x1200x800	VFI-SS-111	100kVA/80kW
	EPWUPS120KH12P	Galaxy PW 2nd Gen 120kVA 3:3 UPS 380VAC 12 Pulse 384VDC	1136	1223	1800x1200x800		120kVA/96kW
	EPWUPS160KH12P	Galaxy PW 2nd Gen 160kVA 3:3 UPS 380VAC 12 Pulse 384VDC	1456	1550	1800x1600x800		160kVA/128kW
	EPWUPS200KH12P	Galaxy PW 2nd Gen 200kVA 3:3 UPS 380VAC 12 Pulse 384VDC	1676	1770	1800x1600x800		200kVA/160kW
	EPWUPS10KH6PS	Galaxy PW 2nd Gen 10kVA 3:3 UPS 380VAC 6 Pulse 384VDC, Startup 5x8	386	456	1800x800x800		10kVA/8kW
	EPWUPS20KH6PS	Galaxy PW 2nd Gen 20kVA 3:3 UPS 380VAC 6 Pulse 384VDC, Startup 5x8	386	456	1800x800x800		20kVA/16kW
	EPWUPS30KH6PS	Galaxy PW 2nd Gen 30kVA 3:3 UPS 380VAC 6 Pulse 384VDC, Startup 5x8	390	460	1800x800x800		30kVA/24kW
	EPWUPS40KH6PS	Galaxy PW 2nd Gen 40kVA 3:3 UPS 380VAC 6 Pulse 384VDC, Startup 5x8	470	540	1800x800x800		40kVA/32kW
	EPWUPS60KH6PS	Galaxy PW 2nd Gen 60kVA 3:3 UPS 380VAC 6 Pulse 384VDC, Startup 5x8	575	645	1800x800x800		60kVA/48kW
	EPWUPS80KH6PS	Galaxy PW 2nd Gen 80kVA 3:3 UPS 380VAC 6 Pulse 384VDC, Startup 5x8	634	704	1800x800x800		80kVA/64kW
	EPWUPS100KH12PS	Galaxy PW 2nd Gen 100kVA 3:3 UPS 380VAC 12 Pulse 384VDC, Startup 5x8	1063	1150	1800x1200x800		100kVA/80kW
	EPWUPS120KH12PS	Galaxy PW 2nd Gen 120kVA 3:3 UPS 380VAC 12 Pulse 384VDC, Startup 5x8	1136	1223	1800x1200x800		120kVA/96kW
	EPWUPS160KH12PS	Galaxy PW 2nd Gen 160kVA 3:3 UPS 380VAC 12 Pulse 384VDC, Startup 5x8	1456	1550	1800x1600x800		160kVA/128kW
	EPWUPS200KH12PS	Galaxy PW 2nd Gen 200kVA 3:3 UPS 380VAC 12 Pulse 384VDC, Startup 5x8	1676	1770	1800x1600x800		200kVA/160kW
	EPWUPS10KH6P	Galaxy PW 2nd Gen 10kVA 3:3 UPS 380VAC 6 Pulse 384VDC	386	456	1800x800x800		10kVA/8kW
EPWUPS20KH6P	Galaxy PW 2nd Gen 20kVA 3:3 UPS 380VAC 6 Pulse 384VDC	386	456	1800x800x800	20kVA/16kW		
EPWUPS30KH6P	Galaxy PW 2nd Gen 30kVA 3:3 UPS 380VAC 6 Pulse 384VDC	390	460	1800x800x800	30kVA/24kW		
EPWUPS40KH6P	Galaxy PW 2nd Gen 40kVA 3:3 UPS 380VAC 6 Pulse 384VDC	470	540	1800x800x800	40kVA/32kW		
EPWUPS60KH6P	Galaxy PW 2nd Gen 60kVA 3:3 UPS 380VAC 6 Pulse 384VDC	575	645	1800x800x800	60kVA/48kW		
EPWUPS80KH6P	Galaxy PW 2nd Gen 80kVA 3:3 UPS 380VAC 6 Pulse 384VDC	634	704	1800x800x800	80kVA/64kW		
Functional unit	To ensure the supply of power to remain within specified characteristics to equipment with load of 100 watts for a RSL of 1 year						
Declared unit	To ensure the supply of power to remain within specified characteristics to equipment with load of 160k watts for a RSL of 15 year.						



Constituent materials

Reference product mass 1770kg including the product, its packaging, additional elements and accessories



Plastics	3.60%
Metals	90.80%
Others	5.60%

Substance assessment

RoHS compliance	Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011) on restriction of lead, mercury, cadmium, hexavalent chromium or flame retardants -PBB&PBDE or phthalates-DEHP, BBP, DBP, DIBP.
REACH compliance	Products of this range are designed in conformity with the requirements of the REACH 1907/2006 regulation and its latest updates.
Battery Directive compliance	The battery within this product range are designed in conformity with the requirements of the Battery and Accumulator Directive (European Directive 2006/66/EC of 26 September 2006).

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:	94%	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	15 years				
Product category	Uninterruptible Power Supply (UPS) - without energy storage system incorporated - P > 10000W				
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 does not need specific tools or services, only packaging of the product needs to be eliminated.				
Use scenario	Power consumption conforms to the requirements in PSR-0010-ed2-EN-2023 12 08 UPS:				
	Load rate	25%	50%	75%	100%
	Proportion of time at specified load	0.25	0.5	0.25	0
	The referent UPS is modeled to operate in normal mode ((average efficiency of 91.4%,and annual use of 874204.2kWh)) 100% of the time after 15 years.				
	Linked products	Type	Double conversion		
			Average energy efficiency	Electricity consumption (kWh over 15 years)	
	EPWUPS100KH12P	Galaxy PW 2nd Gen 100kVA 3:3 UPS 380VAC 12 Pulse 384VDC	89.6%	521,921	
	EPWUPS120KH12P	Galaxy PW 2nd Gen 120kVA 3:3 UPS 380VAC 12 Pulse 384VDC	89.9%	610,852	
	EPWUPS160KH12P	Galaxy PW 2nd Gen 160kVA 3:3 UPS 380VAC 12 Pulse 384VDC	92.0%	647,749	
	EPWUPS200KH12P	Galaxy PW 2nd Gen 200kVA 3:3 UPS 380VAC 12 Pulse 384VDC	91.4%	874,204	
EPWUPS10KH6PS	Galaxy PW 2nd Gen 10kVA 3:3 UPS 380VAC 6 Pulse 384VDC,Startup 5x8	82.7%	82,848		
EPWUPS20KH6PS	Galaxy PW 2nd Gen 20kVA 3:3 UPS 380VAC 6 Pulse 384VDC,Startup 5x8	87.8%	120,625		
EPWUPS30KH6PS	Galaxy PW 2nd Gen 30kVA 3:3 UPS 380VAC 6 Pulse 384VDC,Startup 5x8	88.9%	165,170		
EPWUPS40KH6PS	Galaxy PW 2nd Gen 40kVA 3:3 UPS 380VAC 6 Pulse 384VDC,Startup 5x8	90.4%	195,418		
EPWUPS60KH6PS	Galaxy PW 2nd Gen 60kVA 3:3 UPS 380VAC 6 Pulse 384VDC,Startup 5x8	91.3%	267,583		
EPWUPS80KH6PS	Galaxy PW 2nd Gen 80kVA 3:3 UPS 380VAC 6 Pulse 384VDC,Startup 5x8	91.6%	335,753		
EPWUPS100KH12PS	Galaxy PW 2nd Gen 100kVA 3:3 UPS 380VAC 12 Pulse 384VDC,Startup 5x8	89.6%	521,921		
EPWUPS120KH12PS	Galaxy PW 2nd Gen 120kVA 3:3 UPS 380VAC 12 Pulse 384VDC,Startup 5x8	89.9%	610,852		
EPWUPS160KH12PS	Galaxy PW 2nd Gen 160kVA 3:3 UPS 380VAC 12 Pulse 384VDC,Startup 5x8	92.0%	647,749		
EPWUPS200KH12PS	Galaxy PW 2nd Gen 200kVA 3:3 UPS 380VAC 12 Pulse 384VDC,Startup 5x8	91.4%	874,204		
EPWUPS10KH6P	Galaxy PW 2nd Gen 10kVA 3:3 UPS 380VAC 6 Pulse 384VDC	82.7%	82,848		
EPWUPS20KH6P	Galaxy PW 2nd Gen 20kVA 3:3 UPS 380VAC 6 Pulse 384VDC	87.8%	120,625		
EPWUPS30KH6P	Galaxy PW 2nd Gen 30kVA 3:3 UPS 380VAC 6 Pulse 384VDC	88.9%	165,170		
EPWUPS40KH6P	Galaxy PW 2nd Gen 40kVA 3:3 UPS 380VAC 6 Pulse 384VDC	90.4%	195,418		
EPWUPS60KH6P	Galaxy PW 2nd Gen 60kVA 3:3 UPS 380VAC 6 Pulse 384VDC	91.3%	267,583		
EPWUPS80KH6P	Galaxy PW 2nd Gen 80kVA 3:3 UPS 380VAC 6 Pulse 384VDC	91.6%	335,753		
* for the range consistency, 10kVA model uses the same efficiency method and lifetime as the rest models of the Galaxy PW 2nd Gen.					
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 représentaive of the actual type of technologies used to make the product.				
Geographical representativeness	Final assembly site	Use phase		End-of-life	
	China	China		China	
Energy model used	[A1 - A3]	[A5]	[B6]	[C1 - C4]	
	Electricity Mix; Low voltage; 2020; China, CN	No energy used	Electricity Mix; Low voltage; 2020; China, CN	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>

The calculation result is scientific counting method. For example, 1.37E+06=1.37*10^6=1370000, 1.64E-04=1.64*10^(-4)=0.000164

All environmental impacts are calculated for the declared unit, then data should be divided by the factor calculated with formulas listed in PSR-0010-ed2.0-EN 2023 12 08 3.1.3 to get the functional unit result (see the section titled "Function Unit Result").

Mandatory Indicators		Galaxy PW 2nd Gen 10-200 kVA 3:3 UPS - EPWUPS200KH12P						
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	7.38E+05	1.28E+04	5.10E+02	1.92E+02	7.22E+05	2.41E+03	-6.51E+03
Contribution to climate change-fossil	kg CO2 eq	7.38E+05	1.30E+04	5.10E+02	1.02E+02	7.22E+05	2.40E+03	-6.46E+03
Contribution to climate change-biogenic	kg CO2 eq	5.83E+02	0*	0*	8.99E+01	6.32E+02	8.60E+00	-4.83E+01
Contribution to climate change-land use and land use change	kg CO2 eq	9.64E-03	8.87E-03	0*	0*	0*	7.79E-04	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	6.89E-03	2.18E-03	4.50E-04	0*	4.18E-03	8.42E-05	-9.66E-04
Contribution to acidification	mol H+ eq	5.60E+03	1.32E+02	2.22E+00	0*	5.45E+03	1.25E+01	-4.52E+01
Contribution to eutrophication, freshwater	kg P eq	2.15E-01	2.42E-02	5.97E-05	0*	1.84E-01	6.99E-03	-1.21E-02
Contribution to eutrophication, marine	kg N eq	6.06E+02	2.06E+01	1.02E+00	0*	5.82E+02	2.21E+00	-3.77E+00
Contribution to eutrophication, terrestrial	mol N eq	6.94E+03	2.29E+02	1.10E+01	0*	6.68E+03	2.51E+01	-4.37E+01
Contribution to photochemical ozone formation - human health	kg COVNM eq	2.02E+03	6.72E+01	3.62E+00	0*	1.94E+03	7.03E+00	-1.55E+01
Contribution to resource use, minerals and metals	kg Sb eq	2.69E+00	2.62E+00	0*	0*	7.32E-02	3.12E-04	-1.82E+00
Contribution to resource use, fossils	MJ	1.22E+07	2.53E+05	6.35E+03	0*	1.19E+07	3.37E+04	-1.43E+05
Contribution to water use	m3 eq	4.67E+04	4.40E+03	2.59E+01	1.76E+01	4.19E+04	3.53E+02	-2.86E+03

Inventory flows Indicators		Galaxy PW 2nd Gen 10-200 kVA 3:3 UPS - EPWUPS200KH12P						
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	1.26E+06	5.65E+03	0*	0*	1.25E+06	1.78E+03	-1.80E+03
Contribution to renewable primary energy used as raw material	MJ	1.38E+03	1.38E+03	0*	0*	0*	0*	-8.17E+00
Contribution to total renewable primary energy	MJ	1.26E+06	7.03E+03	0*	0*	1.25E+06	1.78E+03	-1.81E+03
Contribution to non renewable primary energy used as energy	MJ	1.21E+07	2.51E+05	6.35E+03	0*	1.19E+07	3.37E+04	-1.43E+05
Contribution to non renewable primary energy used as raw material	MJ	2.66E+03	2.66E+03	0*	0*	0*	0*	0.00E+00
Contribution to total non renewable primary energy	MJ	1.22E+07	2.53E+05	6.35E+03	0*	1.19E+07	3.37E+04	-1.43E+05
Contribution to use of secondary material	kg	0.00E+00	0*	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	1.09E+03	1.03E+02	6.03E-01	4.11E-01	9.75E+02	1.07E+01	-6.66E+01
Contribution to hazardous waste disposed	kg	2.14E+05	1.91E+05	0*	0*	2.25E+04	5.08E+01	-1.43E+05
Contribution to non hazardous waste disposed	kg	1.44E+05	7.65E+03	0*	8.57E+01	1.35E+05	1.89E+03	-6.16E+03
Contribution to radioactive waste disposed	kg	9.09E+00	3.44E+00	1.01E-01	2.91E-03	5.45E+00	9.94E-02	-3.34E+00
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	1.97E+03	4.28E+02	0*	0*	0*	1.54E+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	3.01E+01	1.48E+01	0*	0*	0*	1.53E+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	2.21E+01

* 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%)

Functional Unit Result

Mandatory Indicators		Galaxy PW 2nd Gen 10-200 kVA 3:3 UPS - EPWUPS200KH12P						
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 CO ₂ eq	3.08E+01	5.34E-01	2.12E-02	7.99E-03	3.01E+01	1.00E-01	-2.71E-01
Contribution to climate change-fossil	kg CO ₂ eq	3.07E+01	5.41E-01	2.12E-02	4.24E-03	3.01E+01	9.99E-02	-2.69E-01
Contribution to climate change-biogenic	kg CO ₂ eq	3.04E-02	0*	0*	3.74E-03	2.63E-02	3.58E-04	-2.01E-03
Contribution to climate change-land use and land use change	kg CO ₂ eq	4.02E-07	3.69E-07	0*	0*	0*	3.24E-08	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	2.87E-07	9.07E-08	1.88E-08	0*	1.74E-07	3.51E-09	-4.03E-08
Contribution to acidification	mol H ⁺ eq	2.33E-01	5.48E-03	9.24E-05	0*	2.27E-01	5.21E-04	-1.88E-03
Contribution to eutrophication, freshwater	kg P eq	8.98E-06	1.01E-06	2.49E-09	0*	7.67E-06	2.91E-07	-5.03E-07
Contribution to eutrophication, marine	kg N eq	2.52E-02	8.59E-04	4.25E-05	0*	2.42E-02	9.22E-05	-1.57E-04
Contribution to eutrophication, terrestrial	mol N eq	2.89E-01	9.53E-03	4.60E-04	0*	2.78E-01	1.05E-03	-1.82E-03
Contribution to photochemical ozone formation - human health	kg COVNM eq	8.42E-02	2.80E-03	1.51E-04	0*	8.09E-02	2.93E-04	-6.46E-04
Contribution to resource use, minerals and metals	kg Sb eq	1.12E-04	1.09E-04	0*	0*	3.05E-06	1.30E-08	-7.57E-05
Contribution to resource use, fossils	MJ	5.06E+02	1.06E+01	2.65E-01	0*	4.94E+02	1.40E+00	-5.94E+00
Contribution to water use	m ³ eq	1.94E+00	1.83E-01	1.08E-03	7.35E-04	1.74E+00	1.47E-02	-1.19E-01

Inventory flows Indicators		Galaxy PW 2nd Gen 10-200 kVA 3:3 UPS - EPWUPS200KH12P						
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	5.25E+01	2.35E-01	0*	0*	5.21E+01	7.42E-02	-7.50E-02
Contribution to renewable primary energy used as raw material	MJ	5.73E-02	5.73E-02	0*	0*	0*	0*	-3.40E-04
Contribution to total renewable primary energy	MJ	5.25E+01	2.93E-01	0*	0*	5.21E+01	7.42E-02	-7.54E-02
Contribution to non renewable primary energy used as energy	MJ	5.06E+02	1.04E+01	2.65E-01	0*	4.94E+02	1.40E+00	-5.94E+00
Contribution to non renewable primary energy used as raw material	MJ	1.11E-01	1.11E-01	0*	0*	0*	0*	0.00E+00
Contribution to total non renewable primary energy	MJ	5.06E+02	1.06E+01	2.65E-01	0*	4.94E+02	1.40E+00	-5.94E+00
Contribution to use of secondary material	kg	0.00E+00	0*	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	m ³	4.54E-02	4.29E-03	2.51E-05	1.71E-05	4.06E-02	4.48E-04	-2.78E-03
Contribution to hazardous waste disposed	kg	8.90E+00	7.97E+00	0*	0*	9.36E-01	2.12E-03	-5.97E+00
Contribution to non hazardous waste disposed	kg	6.01E+00	3.19E-01	0*	3.57E-03	5.61E+00	7.90E-02	-2.56E-01
Contribution to radioactive waste disposed	kg	3.79E-04	1.43E-04	4.23E-06	1.21E-07	2.27E-04	4.14E-06	-1.39E-04
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	8.22E-02	1.78E-02	0*	0*	0*	6.43E-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	1.25E-03	6.17E-04	0*	0*	0*	6.37E-04	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	9.20E-04

* 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%)

Extrapolated Data

Product information	Galaxy PW 2nd Gen 10-200 kVA 3:3	10kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	Referent product 200kVA
	Weight with Packaging (kg)		456	456	460	540	645	704	1150	1223	1550
Compulsory environmental indicators (UPS in double conversion mode)	Contribution to climate change (kg CO ₂ eq)	7.26E+04	1.04E+05	1.41E+05	1.66E+05	2.27E+05	2.84E+05	4.42E+05	5.16E+05	5.49E+05	7.38E+05
	Contribution to Ozone depletion (kg CFC11 eq)	1.10E-03	1.28E-03	1.49E-03	1.76E-03	2.27E-03	2.68E-03	4.26E-03	4.79E-03	5.47E-03	6.89E-03
	Contribution to Acidification (mol H ⁺ eq)	5.54E+02	7.90E+02	1.07E+03	1.26E+03	1.72E+03	2.15E+03	3.35E+03	3.91E+03	4.17E+03	5.60E+03
	Contribution to eutrophication, freshwater (kg PO ₄ ³⁻ eq)	2.55E-02	3.35E-02	4.29E-02	5.07E-02	6.78E-02	8.32E-02	1.30E-01	1.50E-01	1.64E-01	2.16E-01
	Contribution to eutrophication marine (kg N eq)	6.13E+01	8.65E+01	1.16E+02	1.37E+02	1.87E+02	2.33E+02	3.63E+02	4.23E+02	4.52E+02	6.06E+02
	Contribution to eutrophication, terrestrial (mol N eq)	7.01E+02	9.90E+02	1.33E+03	1.57E+03	2.14E+03	2.67E+03	4.16E+03	4.85E+03	5.18E+03	6.94E+03
	Contribution to photochemical ozone formation - human health (kg COVNM eq)	2.04E+02	2.88E+02	3.87E+02	4.58E+02	6.23E+02	7.77E+02	1.21E+03	1.41E+03	1.51E+03	2.02E+03
	Contribution to resource use, minerals and metals (kgSbeq)	6.81E-01	6.85E-01	6.94E-01	8.15E-01	9.76E-01	1.07E+00	1.74E+00	1.86E+00	2.35E+00	2.69E+00
	Total use of primary energy (MJ)	1.32E+06	1.89E+06	2.56E+06	3.02E+06	4.12E+06	5.16E+06	8.02E+06	9.37E+06	9.98E+06	1.34E+07
	Contribution to water use (m ³ eq)	5.21E+03	7.02E+03	9.16E+03	1.08E+04	1.46E+04	1.80E+04	2.81E+04	3.26E+04	3.52E+04	4.67E+04

*The extrapolated data is calculated based on the environmental impact data of the declared unit.

**All products are calculated based on the China electricity origin during the general use stage in this report. If more accurate data is required for product sales in other regions, please contact Schneider Electric.

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

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.

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Date of issue	07/2025	Supplemented by	PSR-0010-ed2-EN-2023 12 08
		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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