Product Environmental Profile

Eaton xEnergy Basic LV Systems Low Voltage Switchgear and Surface Mounted Distribution Board

Representative product	BP-O-800/15-C (293314) Product Category: Unequipped Enclosures and Cabinets
Description of the product	The Eaton BP-O-800/15-C is a Surface Mounted distribution board with dimensions of 1560 mm x 800 mm x 262 mm. It features an IP30 rating, which is made up of Steel material
Homogeneous Environmental Families Covered	The PEP concerns the following product offerings from Eaton xEnergy series BP-O Group as mentioned below: 105541 BP-O-800/15-C-W 105537 BP-O-600/15-C-W 293310 BP-O-600/15-C 105540 BP-O-800/12-C-W 293313 BP-O-800/12-C 105536 BP-O-600/12-C-W 293309 BP-O-600/12-C 105539 BP-O-800/10-C-W 293312 BP-O-800/10-C 105535 BP-O-600/10-C-W 293308 BP-O-600/10-C 194521 BP-O-400/12-C 194525 BP-O-400/12-C-W 105538 BP-O-800/7-C-W 293311 BP-O-800/7-C 105534 BP-O-600/7-C-W 293307 BP-O-600/7-C 194520 BP-O-400/10-C 194524 BP-O-400/10-C-W 194519 BP-O-400/7-C 194523 BP-O-400/7-C-W 194518 BP-O-400/4-C 194522 BP-O-400/4-C-W
Functional unit	'Protect people from direct contact with live active parts and ensure the grouping of control, command and protection devices in a single enclosure or cabinet having the following

	dimensions 1560 mm x 800 mm x 262 mm with rated upto 630 A, while protecting them against mechanical impacts IK08 and the penetration of solid objects and liquids IP30, according to the appropriate use scenario, and for the reference service life of the product of 20 years.'
Company information	Eaton Elektrotechnika, s.r.o, Pohorelice,691 23 Czechia Email: productstewardship-es@eaton.com

Constituent materials			
Reference product mass	6.66E+01 kg (with packaging)		
Category pep material	**Material constituent**	**Mass (kg)**	**% contribution**
Metals	Steel	5.27E+01	79.2%
Other	Cardboard	5.54E+00	8.3%
Other	Wood	3.50E+00	5.3%
Metals	Aluminum	2.25E+00	3.4%
Plastics	Polyester Resin	5.38E-01	0.8%
Plastics	Epoxy Resin	5.38E-01	0.8%
Metals	Stainless Steel	4.99E-01	0.7%
Metals	Titanium Dioxide	4.49E-01	0.7%
Plastics	Polypropylene	1.50E-01	0.2%
Other	Dye	8.97E-02	0.1%
Metals	Calcium	8.97E-02	0.1%
Metals	Barium Sulphate	8.97E-02	0.1%
Other	Paper	5.53E-02	0.1%
Plastics	Polyamide 6	4.18E-02	0.1%
Metals	Copper	2.40E-02	<0.1%
Other	Miscellaneous	2.31E-02	<0.1%
Total		6.66E+01	100.0%

Substance Assessment
The representative product is compliant with the EU-RoHS Directive (2011/65/EU) with exemption and the product does not contain any substance as Substance-of-Very-High-Concern (SVHC) on the Candidate List of the EU-REACH Regulation (1907/2006/EC).

Additional Environmental Information	
Manufacturing	The reference product is assembled at an Eaton plant Czech Republic holding management system certifications according to ISO 14001 standards.
Distribution	Eaton is committed to minimizing weight and volume of product and packaging with focus to optimize transport efficiency.
Installation	The installation process does not require any energy consumption and there is no waste other than the obsolete product packaging generated during this step.
Use	The product does not require any energy consumption during operation.
End of life	The recyclability rate of the overall product is 74.9% if it is properly dismantled prior to shredding. The rate is calculated based on “WEEE recyclability and recoverability calculation

	method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

Environmental Impacts	
The calculation of the environmental impacts is the result of the Product's Life Cycle Analysis in accordance with ISO 14040/44, covering the entire lifecycle, i.e., "Cradle-to-Grave" including the following life cycle phases: production, distribution, installation, use and end of life. System modelling was carried out using the commercial LCA software EIME v6.3.0.1 with database version CODDE-2024-04-Updated on 2024-06-04. Indicators Set: PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0	
Manufacturing Phase	The product is assembled as well as packed at Eaton Elektrotechnika, s.r.o, Czechia. Energy model used: Czech Republic
Distribution Phase	Distribution of the product in its packaging from Eaton's last logistics platform to the installation place in Europe is considered as per PCR rules.
Installation Phase	Product is installed in Europe. Installation of product and treatment of packaging waste are considered in this phase. There is no energy consumption for reference product. Energy model used: Europe
Use Phase	Reference lifetime: 20 Years Usage profile: The product does not have any use phase.
End of life Phase	Product disposed of with WEEE guidelines. Energy model used: Europe
Module-D	Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario. It expresses the net benefits and loads beyond the boundaries of the system and are not to be included in the life cycle totals.

Environmental Impact Indicators: Mandatory

Mandatory environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B1-B7 Use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Climate change – total (GWP)	kg CO2 eq.	5.69E+02	4.11E+02	1.50E+01	1.52E+01	0.00E+00	1.28E+02	-1.82E+02
Climate change - fossil fuels (GWP-f)	kg CO2 eq.	5.62E+02	4.14E+02	1.50E+01	8.83E+00	0.00E+00	1.24E+02	-1.89E+02
Climate change – biogenics (GWP-b)	kg CO2 eq.	7.09E+00	-3.36E+00	6.13E-05	6.37E+00	0.00E+00	4.07E+00	7.00E+00
Climate change - land use and land use transformation (GWP-lu)	kg CO2 eq.	5.62E-05	3.10E-05	2.26E-05	3.42E-07	0.00E+00	2.21E-06	0.00E+00
Ozone depletion (ODP)	kg eq. CFC-11	1.05E-05	9.41E-06	1.82E-07	1.02E-07	0.00E+00	8.43E-07	-2.75E-05
Acidification (AP)	mole of H+ eq.	1.87E+00	1.41E+00	2.36E-02	2.13E-02	0.00E+00	4.20E-01	-1.14E+00
Freshwater eutrophication (EP-fw)	kg P eq.	1.72E-03	7.97E-04	5.59E-05	1.48E-04	0.00E+00	7.18E-04	-4.23E-04
Marine aquatic eutrophication (EP-m)	kg of N eq.	3.04E-01	2.17E-01	4.29E-03	8.46E-03	0.00E+00	7.39E-02	-1.15E-01
Terrestrial eutrophication (EP-t)	mole of N eq.	3.26E+00	2.35E+00	4.70E-02	6.38E-02	0.00E+00	7.99E-01	-1.30E+00

Mandatory environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B1-B7 Use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Photochemical ozone formation (POCP)	kg of NMVOC eq.	1.17E+00	8.50E-01	1.52E-02	1.52E-02	0.00E+00	2.93E-01	-4.46E-01
Depletion of abiotic resources – elements (ADPe)	kg eq. Sb	1.58E-03	1.57E-03	5.34E-06	3.43E-07	0.00E+00	8.73E-06	-5.19E-02
Depletion of abiotic resources - fossil fuels (ADP-f)	MJ	3.09E+04	2.15E+04	2.66E+02	7.39E+01	0.00E+00	9.04E+03	-4.17E+03
Water scarcity (WDP)	m3 of eq.. deprivation worldwide	1.55E+02	1.07E+02	5.39E-01	4.68E-01	0.00E+00	4.70E+01	-7.57E+01

Inventory Flow Indicators: Mandatory

Inventory flow indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B1-B7 Use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	8.72E+01	5.72E+01	8.38E-01	2.43E+01	0.00E+00	4.98E+00	-2.53E+01
Use of renewable primary energy resources used as raw materials	MJ	1.67E+02	1.67E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.03E+02
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	2.54E+02	2.24E+02	8.38E-01	2.43E+01	0.00E+00	4.98E+00	-1.28E+02
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ	3.08E+04	2.14E+04	2.66E+02	7.39E+01	0.00E+00	9.04E+03	-4.17E+03
Use of non-renewable primary energy resources used as raw materials	MJ	2.35E+01	2.35E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.42E+00
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	3.09E+04	2.15E+04	2.66E+02	7.39E+01	0.00E+00	9.04E+03	-4.17E+03
Use of secondary materials	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Inventory flow indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B1-B7 Use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	m3	3.62E+00	2.50E+00	1.25E-02	1.13E-02	0.00E+00	1.10E+00	-1.76E+00
Hazardous waste disposed of	kg	1.07E+02	4.53E+01	6.26E-02	7.55E-01	0.00E+00	6.08E+01	-4.10E+03
Non-hazardous waste disposed of	kg	2.11E+02	1.98E+02	1.39E+00	3.63E+00	0.00E+00	7.17E+00	-1.74E+02
Radioactive waste disposed of	kg	1.15E-01	1.13E-01	1.10E-03	4.15E-04	0.00E+00	8.23E-04	-9.14E-02
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	6.42E+01	1.89E+01	0.00E+00	1.09E+00	0.00E+00	4.42E+01	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ by energy vector	5.32E+00	1.18E+00	0.00E+00	1.40E+00	0.00E+00	2.75E+00	0.00E+00
Biogenic carbon content of the product	kg of C.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	kg of C.	2.39E+00	2.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Environmental Impact Indicators: Optional

Optional Environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B1-B7 Use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Emission of fine particles	incidence of diseases	1.17E-05	9.25E-06	2.03E-07	1.31E-07	0.00E+00	2.09E-06	-9.08E-05
Ionizing radiation, human health	kBq of U235 eq.	9.60E+01	9.17E+01	5.30E-01	1.18E+00	0.00E+00	2.51E+00	-4.63E+01
Ecotoxicity, fresh water	CTUe	3.49E+03	2.75E+03	4.37E+02	9.94E+01	0.00E+00	2.02E+02	-7.02E+02
Human toxicity, cancer effects	CTUh	6.88E-06	6.20E-06	2.93E-09	6.67E-07	0.00E+00	1.36E-08	-5.90E-04
Human toxicity, non-cancer effects	CTUh	4.26E-06	3.09E-06	5.59E-08	2.18E-08	0.00E+00	1.09E-06	-8.44E-06
Impacts related to land use/soil quality	-	6.00E+00	5.47E+00	6.40E-02	2.93E-02	0.00E+00	4.35E-01	-1.56E-02
Total use of primary energy during the life cycle	MJ	3.11E+04	2.17E+04	2.67E+02	9.82E+01	0.00E+00	9.05E+03	-4.30E+03

To evaluate the environmental impact of other products covered by this PEP, multiply the impact figures by

Factors for Manufacturing, Distribution, Installation, End-of-Life, and Module-D Phase:

Product Number	Product Name	Phases	GWP	GWP-b	GWP-f	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
293314	BP-O-800/15-C	Manufacturing Distribution Installation End of Life Module-D	1.00												
105541	BP-O-800/15-C-W	Manufacturing	0.94	0.66	0.94	0.93	0.94	0.94	0.92	0.94	0.94	0.94	0.89	0.94	0.93
		Distribution	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
		End of Life	0.91	0.91	0.91	0.90	0.91	0.91	0.87	0.91	0.91	0.91	0.79	0.91	0.91
		Module-D	0.93	0.83	0.93	1.00	0.93	0.93	0.92	0.92	0.93	0.93	0.93	0.93	0.93
105540	BP-O-800/12-C-W	Manufacturing	0.72	0.11	0.72	0.70	0.70	0.72	0.68	0.72	0.72	0.72	0.59	0.72	0.71
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	0.82	0.82	0.82	0.85	0.83	0.84	0.81	0.81	0.83	0.83	0.86	0.83	0.81
		End of Life	0.67	0.68	0.67	0.66	0.68	0.67	0.59	0.67	0.67	0.67	0.44	0.67	0.67
		Module-D	0.72	0.53	0.71	1.00	0.71	0.71	0.71	0.70	0.70	0.71	0.71	0.71	0.71
293313	BP-O-800/12-C	Manufacturing	0.72	0.11	0.72	0.70	0.70	0.72	0.68	0.72	0.72	0.72	0.59	0.72	0.71
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	0.82	0.82	0.82	0.85	0.83	0.84	0.81	0.81	0.83	0.83	0.86	0.83	0.81
		End of Life	0.67	0.68	0.67	0.66	0.68	0.67	0.59	0.67	0.67	0.67	0.44	0.67	0.67
		Module-D	0.72	0.53	0.71	1.00	0.71	0.71	0.71	0.70	0.70	0.71	0.71	0.71	0.71
105537	BP-O-600/15-C-W	Manufacturing	0.72	0.13	0.71	0.70	0.69	0.72	0.68	0.71	0.71	0.71	0.58	0.71	0.71
		Distribution	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
		Installation	0.81	0.81	0.81	0.85	0.83	0.83	0.80	0.80	0.82	0.82	0.85	0.83	0.81
		End of Life	0.67	0.67	0.67	0.66	0.67	0.67	0.59	0.67	0.67	0.67	0.45	0.67	0.67
		Module-D	0.71	0.54	0.70	1.00	0.70	0.70	0.71	0.69	0.70	0.70	0.70	0.71	0.71
293310	BP-O-600/15-C	Manufacturing	0.72	0.13	0.71	0.70	0.69	0.72	0.68	0.71	0.71	0.71	0.58	0.71	0.71
		Distribution	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
		Installation	0.81	0.81	0.81	0.85	0.83	0.83	0.80	0.80	0.82	0.82	0.85	0.83	0.81
		End of Life	0.67	0.67	0.67	0.66	0.67	0.67	0.59	0.67	0.67	0.67	0.45	0.67	0.67
		Module-D	0.71	0.54	0.70	1.00	0.70	0.70	0.71	0.69	0.70	0.70	0.70	0.71	0.71
105539	BP-O-800/10-C-W	Manufacturing	0.65	0.44	0.65	0.64	0.59	0.65	0.64	0.65	0.65	0.65	0.56	0.65	0.65
		Distribution	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
		Installation	0.74	0.72	0.75	0.78	0.77	0.78	0.75	0.75	0.77	0.77	0.80	0.78	0.76
		End of Life	0.63	0.63	0.63	0.62	0.62	0.63	0.60	0.63	0.63	0.63	0.56	0.63	0.63
		Module-D	0.64	0.63	0.64	1.00	0.63	0.64	0.66	0.64	0.64	0.64	0.64	0.64	0.65
293312	BP-O-800/10-C	Manufacturing	0.65	0.44	0.65	0.64	0.59	0.65	0.64	0.65	0.65	0.65	0.56	0.65	0.65
		Distribution	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
		Installation	0.74	0.72	0.75	0.78	0.77	0.78	0.75	0.75	0.77	0.77	0.80	0.78	0.76
		End of Life	0.63	0.63	0.63	0.62	0.62	0.63	0.60	0.63	0.63	0.63	0.56	0.63	0.63
		Module-D	0.64	0.63	0.64	1.00	0.63	0.64	0.66	0.64	0.64	0.64	0.64	0.64	0.65
105536	BP-O-600/12-C-W	Manufacturing	0.63	0.60	0.63	0.62	0.56	0.62	0.63	0.63	0.63	0.63	0.57	0.63	0.62
		Distribution	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
		Installation	0.71	0.69	0.73	0.76	0.76	0.76	0.74	0.74	0.76	0.75	0.78	0.76	0.74
		End of Life	0.62	0.61	0.62	0.62	0.60	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Module-D	0.61	0.67	0.61	1.00	0.61	0.61	0.65	0.62	0.62	0.62	0.62	0.62	0.62
293309	BP-O-600/12-C	Manufacturing	0.63	0.60	0.63	0.62	0.56	0.62	0.63	0.63	0.63	0.63	0.57	0.63	0.62
		Distribution	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
		Installation	0.71	0.69	0.73	0.76	0.76	0.76	0.74	0.74	0.76	0.75	0.78	0.76	0.74
		End of Life	0.62	0.61	0.62	0.62	0.60	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Module-D	0.61	0.67	0.61	1.00	0.61	0.61	0.65	0.62	0.62	0.62	0.62	0.62	0.62
293308		Manufacturing	0.59	0.88	0.59	0.58	0.50	0.58	0.62	0.59	0.59	0.59	0.57	0.59	0.59

Product Number	Product Name	Phases	GWP	GWP-b	GWP-f	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
	BP-O-600/10-C	Distribution	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
		Installation	0.70	0.67	0.72	0.75	0.75	0.76	0.74	0.73	0.75	0.74	0.77	0.76	0.74
		End of Life	0.59	0.59	0.59	0.60	0.57	0.59	0.64	0.59	0.59	0.59	0.73	0.59	0.59
		Module-D	0.58	0.73	0.58	1.00	0.58	0.58	0.62	0.59	0.59	0.59	0.59	0.59	0.59
105535	BP-O-600/10-C-W	Manufacturing	0.57	0.96	0.57	0.57	0.48	0.56	0.61	0.58	0.58	0.57	0.57	0.58	0.57
		Distribution	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
		Installation	0.65	0.61	0.68	0.70	0.72	0.73	0.71	0.71	0.72	0.71	0.73	0.73	0.71
		End of Life	0.58	0.58	0.58	0.59	0.56	0.59	0.64	0.58	0.58	0.58	0.75	0.59	0.59
		Module-D	0.55	0.76	0.56	1.00	0.55	0.56	0.60	0.57	0.57	0.56	0.57	0.56	0.57
105538	BP-O-800/7-C-W	Manufacturing	0.54	1.09	0.55	0.54	0.44	0.53	0.59	0.55	0.55	0.55	0.57	0.55	0.55
		Distribution	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
		Installation	0.62	0.57	0.66	0.68	0.70	0.71	0.70	0.70	0.70	0.69	0.70	0.71	0.70
		End of Life	0.56	0.56	0.56	0.57	0.54	0.56	0.64	0.56	0.56	0.56	0.79	0.56	0.57
		Module-D	0.52	0.79	0.53	1.00	0.52	0.52	0.58	0.54	0.54	0.54	0.54	0.53	0.54
293311	BP-O-800/7-C	Manufacturing	0.54	1.09	0.55	0.54	0.44	0.53	0.59	0.55	0.55	0.55	0.57	0.55	0.55
		Distribution	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
		Installation	0.62	0.57	0.66	0.68	0.70	0.71	0.70	0.70	0.70	0.69	0.70	0.71	0.70
		End of Life	0.56	0.56	0.56	0.57	0.54	0.56	0.64	0.56	0.56	0.56	0.79	0.56	0.57
		Module-D	0.52	0.79	0.53	1.00	0.52	0.52	0.58	0.54	0.54	0.54	0.54	0.53	0.54
194521	BP-O-400/12-C	Manufacturing	0.53	1.14	0.53	0.53	0.43	0.52	0.59	0.54	0.54	0.53	0.57	0.53	0.53
		Distribution	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
		Installation	0.61	0.56	0.65	0.67	0.69	0.70	0.69	0.69	0.69	0.68	0.69	0.70	0.69
		End of Life	0.55	0.54	0.55	0.56	0.52	0.55	0.64	0.55	0.55	0.55	0.80	0.55	0.56
		Module-D	0.50	0.79	0.51	1.00	0.51	0.51	0.56	0.53	0.52	0.52	0.53	0.52	0.53
194525	BP-O-400/12-C-W	Manufacturing	0.53	1.14	0.53	0.53	0.43	0.52	0.59	0.54	0.54	0.53	0.57	0.53	0.53
		Distribution	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
		Installation	0.61	0.56	0.65	0.67	0.69	0.70	0.69	0.69	0.69	0.68	0.69	0.70	0.69
		End of Life	0.55	0.54	0.55	0.56	0.52	0.55	0.64	0.55	0.55	0.55	0.80	0.55	0.56
		Module-D	0.50	0.79	0.51	1.00	0.51	0.51	0.56	0.53	0.52	0.52	0.53	0.52	0.53
194520	BP-O-400/10-C	Manufacturing	0.47	1.27	0.47	0.48	0.36	0.46	0.54	0.48	0.48	0.47	0.54	0.47	0.48
		Distribution	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
		Installation	0.56	0.50	0.61	0.62	0.66	0.66	0.67	0.66	0.66	0.65	0.65	0.66	0.67
		End of Life	0.50	0.49	0.50	0.51	0.47	0.50	0.61	0.50	0.50	0.50	0.81	0.50	0.50
		Module-D	0.44	0.78	0.45	1.00	0.44	0.45	0.50	0.47	0.46	0.46	0.46	0.45	0.46
194524	BP-O-400/10-C-W	Manufacturing	0.47	1.27	0.47	0.48	0.36	0.46	0.54	0.48	0.48	0.47	0.54	0.47	0.48
		Distribution	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
		Installation	0.56	0.50	0.61	0.62	0.66	0.66	0.67	0.66	0.66	0.65	0.65	0.66	0.67
		End of Life	0.50	0.49	0.50	0.51	0.47	0.50	0.61	0.50	0.50	0.50	0.81	0.50	0.50
		Module-D	0.44	0.78	0.45	1.00	0.44	0.45	0.50	0.47	0.46	0.46	0.46	0.45	0.46
105534	BP-O-600/7-C-W	Manufacturing	0.46	1.28	0.47	0.47	0.35	0.45	0.53	0.48	0.47	0.47	0.54	0.47	0.47
		Distribution	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
		Installation	0.56	0.49	0.61	0.61	0.66	0.66	0.66	0.66	0.65	0.64	0.64	0.66	0.66
		End of Life	0.49	0.48	0.49	0.51	0.46	0.49	0.60	0.49	0.49	0.49	0.81	0.49	0.50
		Module-D	0.43	0.78	0.44	1.00	0.44	0.44	0.49	0.46	0.45	0.45	0.46	0.45	0.46
293307	BP-O-600/7-C	Manufacturing	0.46	1.28	0.47	0.47	0.35	0.45	0.53	0.48	0.47	0.47	0.54	0.47	0.47
		Distribution	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
		Installation	0.56	0.49	0.61	0.61	0.66	0.66	0.66	0.66	0.65	0.64	0.64	0.66	0.66
		End of Life	0.49	0.48	0.49	0.51	0.46	0.49	0.60	0.49	0.49	0.49	0.81	0.49	0.50
		Module-D	0.43	0.78	0.44	1.00	0.44	0.44	0.49	0.46	0.45	0.45	0.46	0.45	0.46
194519	BP-O-400/7-C	Manufacturing	0.35	1.23	0.36	0.37	0.26	0.35	0.43	0.37	0.37	0.36	0.45	0.36	0.36
		Distribution	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
		Installation	0.48	0.40	0.54	0.53	0.59	0.59	0.61	0.60	0.59	0.58	0.57	0.60	0.61
		End of Life	0.38	0.37	0.38	0.39	0.35	0.38	0.49	0.38	0.38	0.38	0.70	0.38	0.38
		Module-D	0.32	0.66	0.33	1.00	0.32	0.33	0.37	0.35	0.34	0.34	0.34	0.33	0.34

Product Number	Product Name	Phases	GWP	GWP-b	GWP-f	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
194523	BP-O-400/7-C-W	Manufacturing	0.35	1.23	0.36	0.37	0.26	0.35	0.43	0.37	0.37	0.36	0.45	0.36	0.36
		Distribution	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
		Installation	0.48	0.40	0.54	0.53	0.59	0.59	0.61	0.60	0.59	0.58	0.57	0.60	0.61
		End of Life	0.38	0.37	0.38	0.39	0.35	0.38	0.49	0.38	0.38	0.38	0.70	0.38	0.38
		Module-D	0.32	0.66	0.33	1.00	0.32	0.33	0.37	0.35	0.34	0.34	0.34	0.33	0.34
194522	BP-O-400/4-C-W	Manufacturing	0.25	1.01	0.26	0.26	0.18	0.24	0.32	0.26	0.26	0.26	0.34	0.26	0.26
		Distribution	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
		Installation	0.41	0.33	0.47	0.46	0.52	0.52	0.54	0.53	0.52	0.51	0.49	0.53	0.54
		End of Life	0.26	0.25	0.26	0.27	0.24	0.26	0.35	0.26	0.26	0.26	0.52	0.26	0.26
		Module-D	0.21	0.48	0.22	1.00	0.22	0.22	0.25	0.23	0.23	0.23	0.23	0.22	0.23
194518	BP-O-400/4-C	Manufacturing	0.25	0.99	0.25	0.26	0.17	0.24	0.31	0.26	0.25	0.25	0.33	0.25	0.25
		Distribution	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
		Installation	0.38	0.30	0.44	0.43	0.49	0.49	0.52	0.51	0.49	0.48	0.46	0.50	0.51
		End of Life	0.26	0.25	0.26	0.27	0.24	0.26	0.35	0.26	0.26	0.26	0.51	0.26	0.26
		Module-D	0.24	0.53	0.25	1.00	0.24	0.25	0.29	0.26	0.26	0.25	0.26	0.25	0.26

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PEPs are compliant with XP C08-100-1:2016 and EN 50693:2019 *The components of the present PEP may not be compared with components from any other program.*			
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