



Environmental
Data Program

Environmental Data Program Methodological Guide

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se.com



Life Is On

Schneider
Electric

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Introduction

Fostering sustainability through transparency and trust

15 years of experience in sustainable product data, connecting innovation by design and environmental transparency



ecoDesign Way



External labels



2008

Green Premium is introduced to provide transparent information on regulated substances and to share environmental information about our products.

2015

EcoDesign Way is launched – our internal design approach embedded in the offer creation process
 A label to guide customers to make a more sustainable choice.

2018

The Green Premium program evolves to include green claim differentiation.

2023

Marketing valorization
 Data digitization
 Acceleration

2024

New transparent, data-based framework

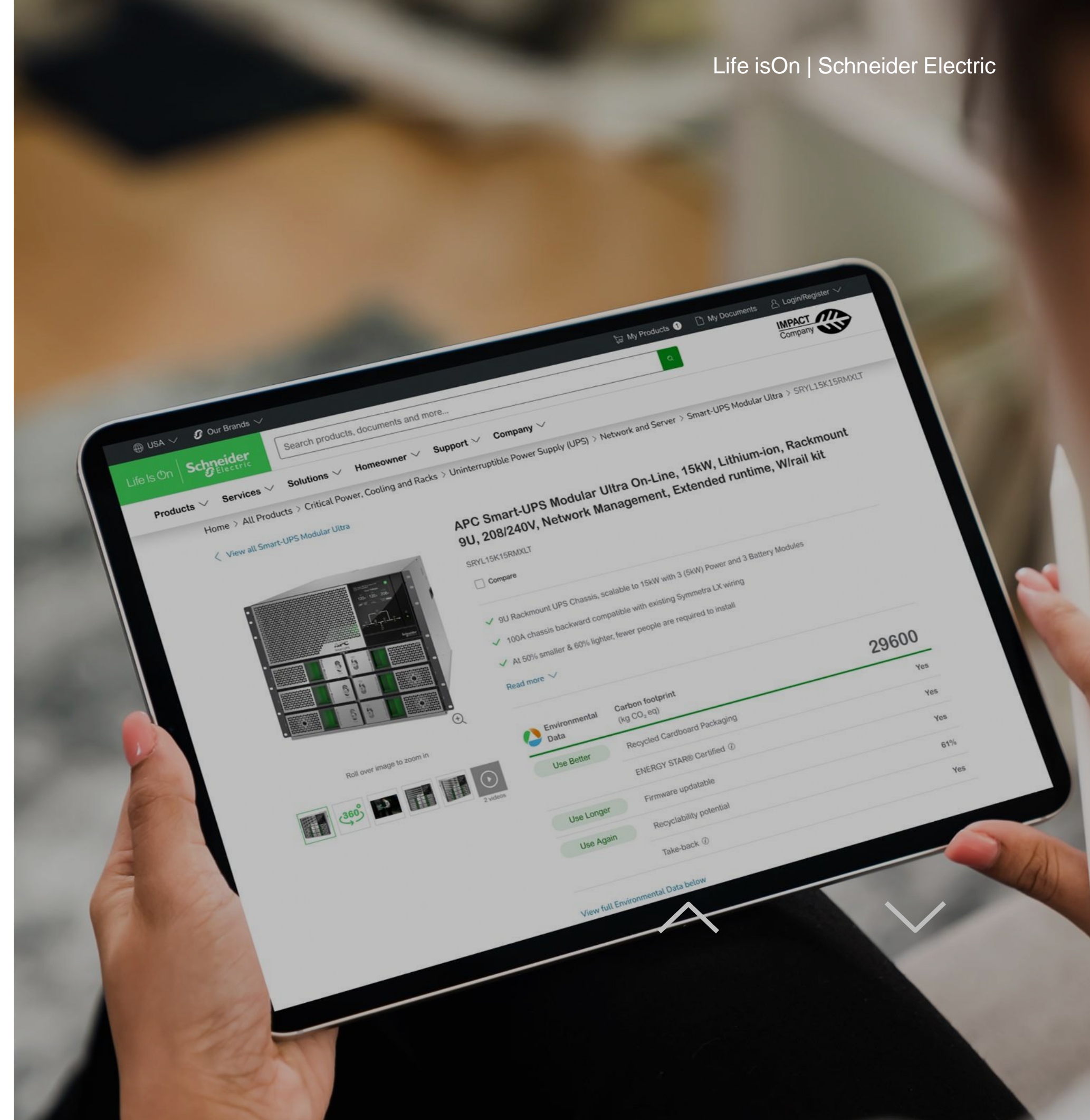
*RoHS: Restriction of Hazardous Substances; REACH: Registration, Evaluation, Authorization and Restriction of Chemicals.
 PEP: Product Environmental Profile; EoLI: End-of-Life Instructions

Introduction

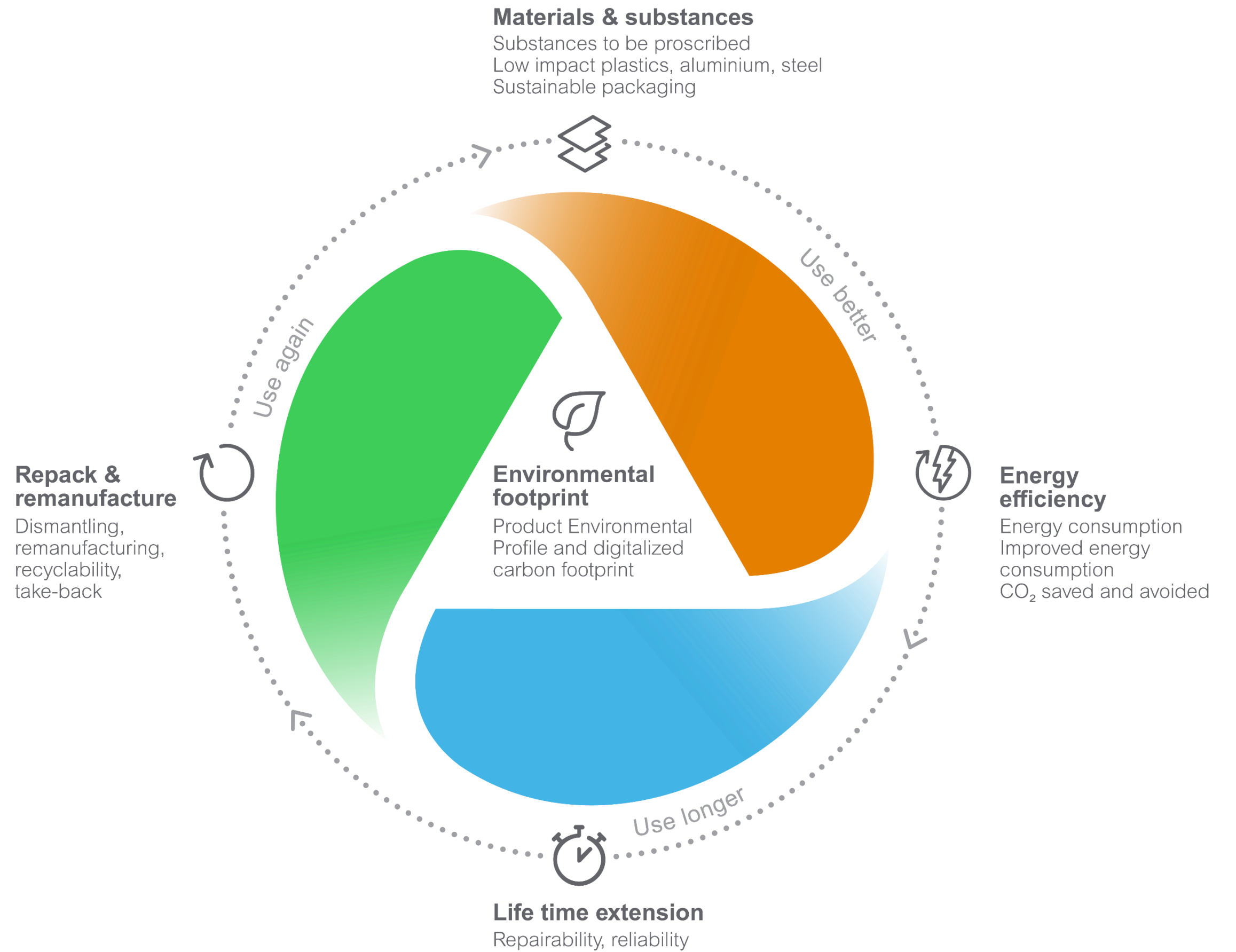
The **Environment Data Program** by Schneider Electric is how we **categorize, measure, and share** the environmental attributes and footprint of over 110,000 of our products.

It builds on the **legacy of our Green Premium** program using a science-based methodology that provides transparent access to different types of environmental data for all Schneider products.

Schneider is committed to advancing sustainable solutions by **sharing with its customers and partners the product environmental data it measures.**



Environmental Data Program categories



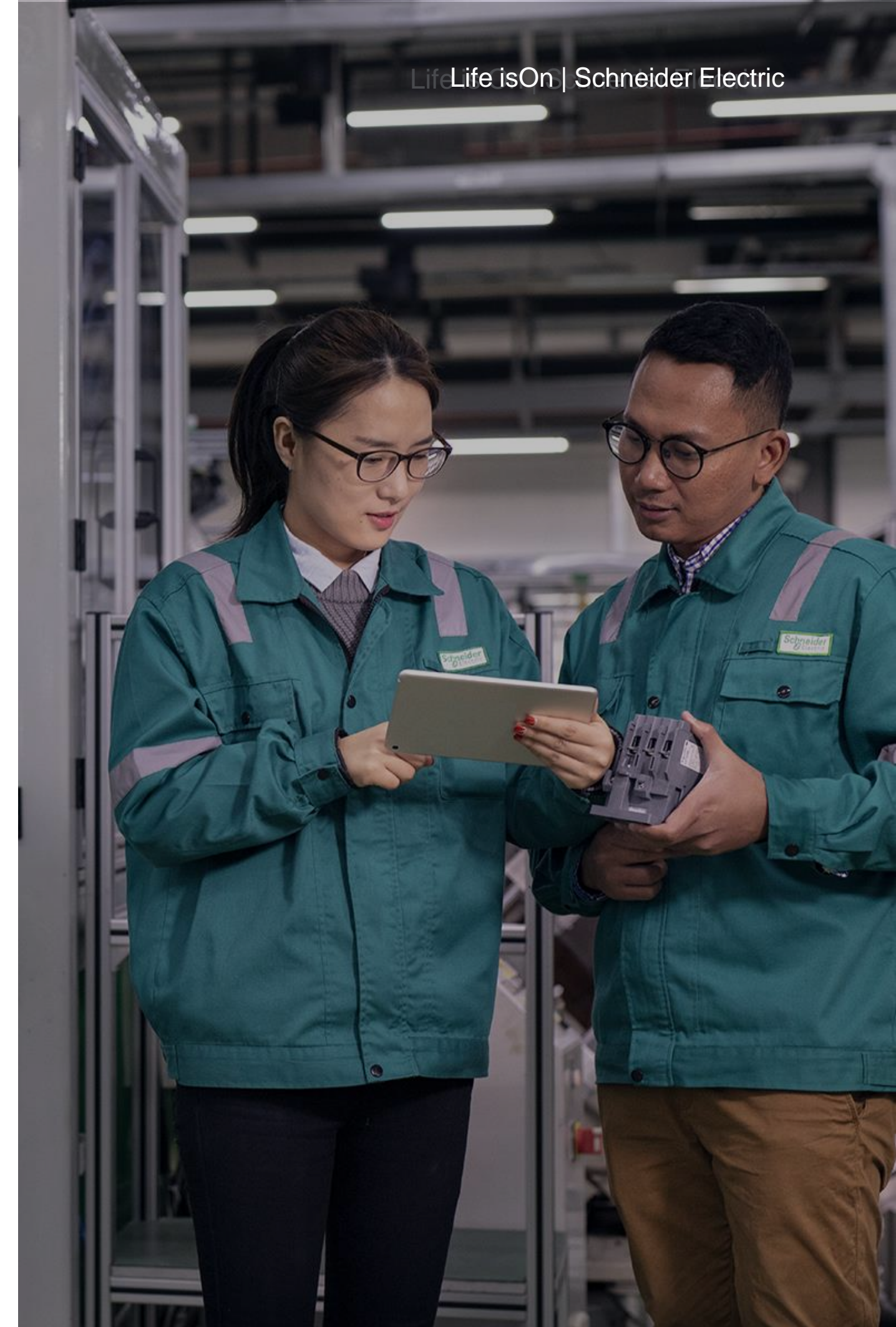
Advancing informed choices and promoting sustainable innovation

With increasingly complex and stringent environmental compliance and disclosure requirements (e.g. EU Empower consumer directive, ESPR (European Sustainable Product Design), Digital Product Passport) and continuously growing demand for sustainable offers.

Schneider Electric's new Environmental Data Program will:

Empower customers and partners to...

- Make fact-based decisions leveraging reliable and granular lifecycle related data sets.
- Differentiate their own value proposition by opting for more sustainable choices.
- Accurately evaluate and report on their own environmental footprint and carbon reduction efforts.



Methodology

Overview of categories and attributes
Governance & verification process

List of attributes

Environmental Footprint

| ATTRIBUTES | Total life cycle carbon footprint | Product Environmental Profile (PEP) | PEP validation date | External label obtained for product | China Carbon footprint certificate |
|-------------|---|--|--|---|--|
| DEFINITIONS | <p>CO2 equivalent emissions from the representative product's entire life cycle and its electricity mix aligned with its commercial presence, according to the PEP-Ecopassport methodology.</p> <p>The split per life cycle stage is also provided.</p> | <p>Assessment of the product environmental impacts including its carbon footprint along its life-cycle as per the PEP-Ecopassport methodology.</p> | <p>Date when the PEP has been validated.</p> | <p>1- Declare 2- BVB 3- China Green Design Product</p> <p>1 Declare, a label for building products, discloses all intentionally-added ingredients present in the final product above 0.01% w/w.</p> <p>2 Byggvarubedömningen (BVB), a Swedish non-profit organization, launched a standard for environmental assessment of building materials.</p> <p>3 China Green Design Product (CGDP), products certified to meet government standards for specific attributes.</p> | <p>China Carbon footprint certificate according to the following standards: ISO 14067, PAS 2050, PEP Ecopassport, China Product Carbon Footprint framework</p> |

List of attributes



Materials & substances (1)

ATTRIBUTES

F-gas free

Average percentage of recycled plastic content

Average percentage of recycled metal content

Average percentage of ASI aluminum

Average percentage of Responsible Steel metal

Average percentage of Copper mark metal

Packaging with recycled cardboard

Packaging without single-use plastics

DEFINITIONS

Can be used in insulation or breaking technologies. The global warming potential of SF₆ is 22 800 times higher than that of CO₂.

Minimum post-consumer recycled or pre-consumer recycled thermoplastic content out of the total mass of thermoplastic in the product.

Minimum post-consumer recycled or pre-consumer recycled metal content out of the total mass of metal in the product.

Certified aluminum content according to the [Aluminum Stewardship Initiative](#) (ASI)

Certified metal content according to the Responsible Steel organization

Certified metal content according to the Copper Mark organization

Recycled cardboard content is minimum 70% globally and 50% in US. Some orders may include non-recycled cardboard until stock runs out.

Single-use plastic definition is aligned with the [Directive 2019/904/EC](#). Some orders may include plastic until stock runs out.

List of attributes



Materials & substances (2)

ATTRIBUTES

Compliance with REACH

SCIP ID

Compliance with EU RoHS

Compliance with China RoHS

Compliance with California Prop 65

Halogen-free status

PVC-free

Silicone-free

DEFINITIONS

Declaration according to [EU REACH regulation Art.33](#)

The **S**ubstances of **C**oncern **I**n **P**roducts (SCIP) is the EU database containing information on substances of concern contained in articles, as such or in the form of complex objects (products), established under the Waste Framework Directive.

Status according to [EU RoHS regulation](#).

Status according to [China RoHS regulation](#).

Status according to [California Prop 65 regulation](#).

The halogen classification of products refers to several standards ([IEC 61249-2-21](#), [IEC 62821](#), [EN 50642](#), [IPC-4101](#)) related to halogenated flame retardants, halogen free plastic parts product, halogen free plastic parts & cables product, halogen free product.

Status on the presence of PVC in the product.

Status on the presence of silicone in the product.

List of attributes

Energy efficiency

| ATTRIBUTES | Energy efficiency optimized | ENERGY STAR® | China Energy Label | China Energy Conservation Certification | Product potential contribution to emission reductions during use phase |
|-------------|---|---|---|--|--|
| DEFINITIONS | <p>The energy efficiency of this product is at least 10% better than market average or product previous generation.</p> | <p>US Environmental Protection Agency (EPA) backed <u>label</u> for cost-saving energy efficiency solutions. Energy efficient product/ Energy efficient system.</p> | <p>The <u>China Energy Label</u> is a state energy efficiency labeling system for electrical and electronic products.</p> | <p><u>China Energy conservation certification</u> is a voluntary program aiming to promote more production and purchase of resource-efficient products in China.</p> | <p>This product could lead to emissions reductions during the use phase under specific conditions.</p> |

List of attributes



Life time extension



Repack and Remanufacture

ATTRIBUTES

Firmware updatability

Product repair index

Recyclability potential (%)

Circularity Profile

Removable battery

WEEE

Take-back available

Cradle-to-cradle

DEFINITIONS

Products security updates availability for firmware maintenance will be provided for the next 8 years after commercialization.

Inspired by the [French repair index](#) and [EN 45 554](#) standard. Only professional installers or trained and qualified personnel should be allowed to install, replace, or service this equipment.

The recyclability potential is calculated using the [Technical Report 62635](#) methodology, Considering all parts in the product and recyclability of materials.

Information for treatment facilities on specific operations needed for recycling.

The battery is considered removable if it is not glued, welded or overmolded and can be removed safely with basic tools from [EN 45 554](#) standard.

Indicates if the product needs specific recycling operations as per the [Waste from Electrical and Electronic Equipments \(WEEE\)](#)

Whether the product has been included in a take-back program in this country. Reach out to your usual Schneider contact for more information.

Indicates if the product is certified by [Cradle to Cradle](#) organization

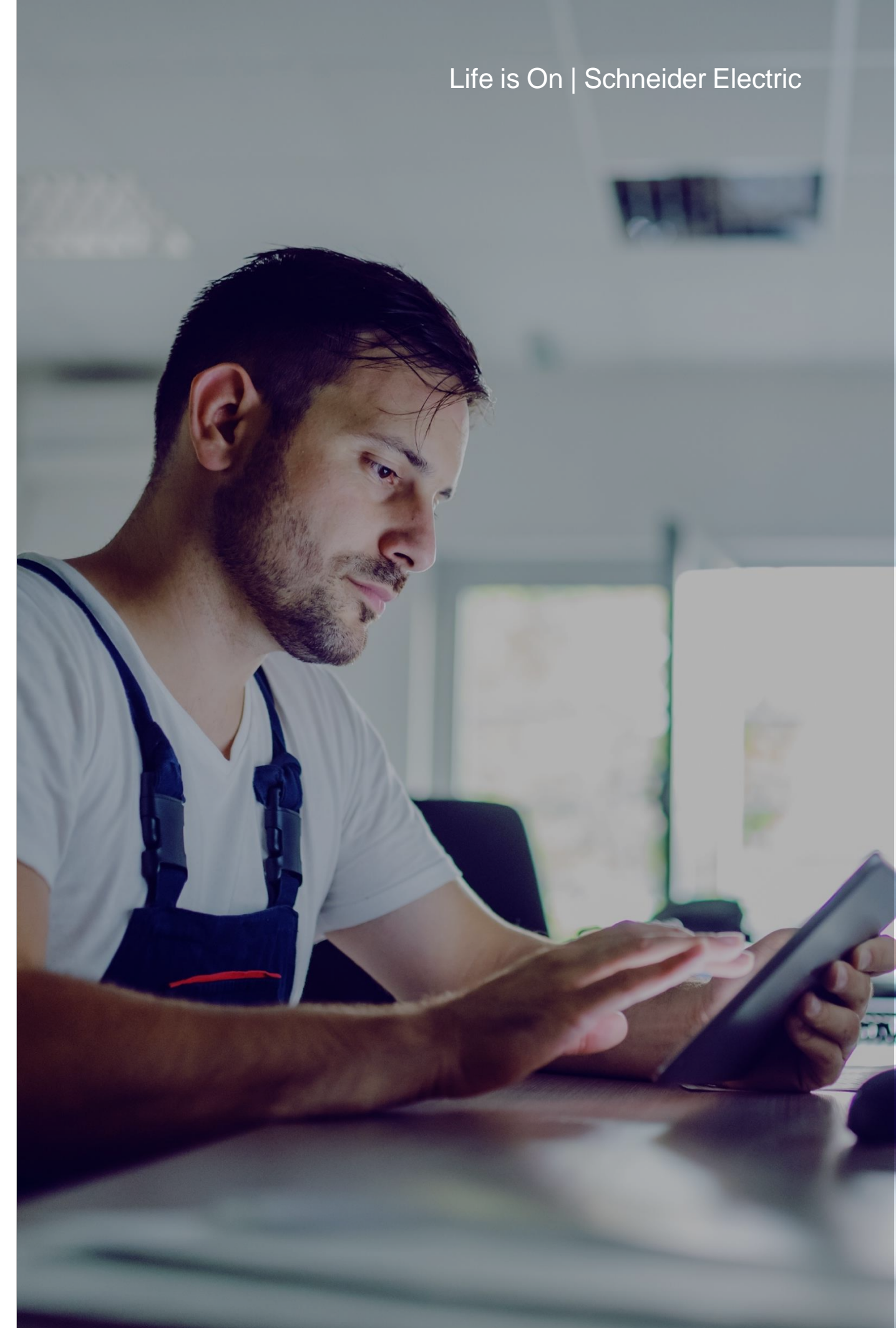
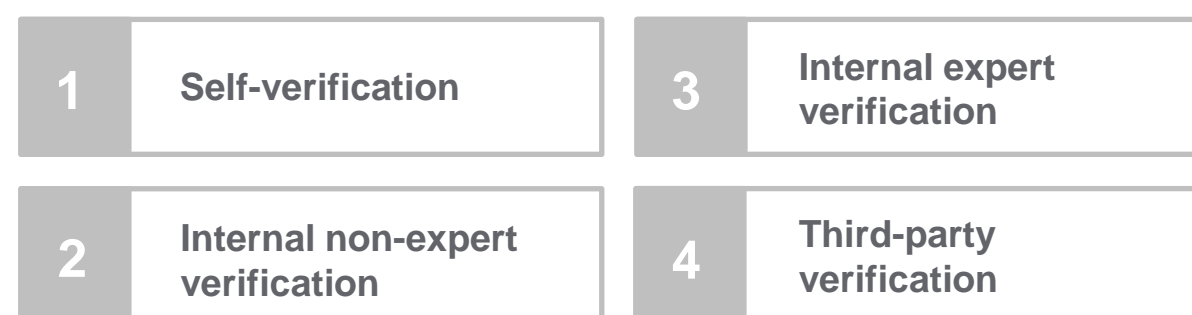
Definitions of the different roles identified

For each attribute, a team of Schneider Electric experts oversee and manage the verification process.

They have various roles:

- **Indicator Owner** in charge of defining the way to calculate the attribute,
- **Business Process Owner** manages data in the system,
- **IT Owner** in charge of the tool,
- **Responsible** in charge of data generation for each product,
- **Accountable** ensures each product displays the maximum possible information.

There are four distinct levels of claim verification, and each attribute is processed through one of them:



Methodology

Detailed information to be disclosed from 2024



Environmental footprint

Total life cycle carbon footprint and Product Environmental Profile.

Environmental footprint

Total life cycle carbon footprint

3 Internal expert verification OR 4 Third party verification



Scope

- All products
- Region(s): Global



Additional information

- Granularity: available at product range based on PEP-Ecopassport methodology.



Definition

Disclosure of the amount of CO₂ equivalent emitted by a Commercial Reference (product) on a scope covering all the life cycle phases, expressed in kg CO₂ eq / product.

Within current Schneider products' PEPs, the perimeter corresponds to emissions of the "manufacturing" [A] phase, "usage" [B] phase and "end of life" [C] phases.

This information will be required under the Ecodesign for Sustainable Products Regulation (ESPR) and the Digital Product Passport (DPP).

Emission factors used are based on EIME version v5.9.1, database version 2016-11 in compliance with ISO 14 044.

Information available in the product webpages

Carbon footprint [kg CO₂ eq per product for the total life cycle and for each life cycle stage].

The emissions may have been extrapolated for each specific product version.

Environmental footprint

Product Environmental Profile (PEP) and PEP validation date

3 Internal expert verification

OR

4 Third party verification



Scope

- All products
- Region(s): Global



Additional information

- Granularity: available at product range based on PEP-Ecopassport methodology.



Definition

The product has a Product Environmental Profile (PEP) available for customers by a Web interface. A PEP verified externally is a quantitative Type III Environmental Declaration in compliance with ISO 14025 which ensures appropriate reliability and transparency.

The PEP must be established according to the framework of an Environmental Declaration Program (PEP Ecopassport, other programs having recognition agreements with PEP Ecopassport, or specific programs depending on market and region specificities).

By the date of publication, the PEP must comply with valid version of applicable Product Category Rules (PCR) and Product Specific Rules (PSR).

As Life Cycle Assessments (LCA) methodologies are evolving and better data becomes available, it is necessary to regularly update the PEP calculations. PEP data older than 5 years should be considered outdated.

Information available in the product webpages

Product Environmental Profile in pdf

Environmental footprint

External labels obtained for product

4 Third party verification

Scope

- All products
- Region(s): Global

Definition

External labels obtained by the product are disclosed together with the score (if applicable).

External labels currently covered are Declare, Byggvarubedömningen (BVB), China Green Design Product (CGDP).

Information available in the product webpages

Declare.

Declare obtained Status obtained:*
 "Red List free" / "LBC Compliant" /
 "Declared"



BVB obtained status obtained:*
 "Recommended, Accepted"



CGDP obtained status obtained:*
 "Requirements met"

*Other scoring results will not be published.

Environmental footprint

China Carbon footprint certificate

4 Third party verification

Scope

- All products
- Region(s): China

Definition

China Carbon footprint certificate according to the following standards:

- ISO 14067,
- PAS 2050,
- PEP Ecopassport,
- China Product Carbon Footprint framework.

Information available in the product webpages

Certified products



Materials and substances

Substances, low impact materials
and packaging

Materials and substances

F-gas free

2 Internal non-verification

Scope

- Products containing SF₆ or F-gases: Switchgear / Medium Voltage, Cooling products
- Region(s): Global

Additional information

- Granularity: at product range level

Definition

Fluorinated gas such as SF₆ can be used in insulation or breaking technologies. SF₆ gas is a greenhouse gas with a global warming potential 22 800 times higher than CO₂.

It is already being banned in the Nordic countries for Medium Voltage.

Information available in the product webpages

For Switchgear Medium Voltage commercial references:

- Only air and vacuum used for insulation / breaking, no F-gas including SF₆
- Product containing F-gas

Materials and substances

Average percentage of recycled plastic content

1 Self-verification

Scope

- All products containing thermoplastics
- Region(s): Global

Additional information

- Granularity: at product range level

Definition

Indicator expressing the content of recycled thermoplastics in a commercial reference (packaging is excluded).

The scope and definition are aligned with Schneider Green Materials strategy (mechanical and chemical recycled content) and are based on ISO14021 and EN45557.

In case of multi-sourcing, a mass balance rolling average approach can be used.

Information available in the product webpages

The content is published with whole numbers, from 1%.

Materials and substances

Average percentage of recycled metal content

1 Self-verification



Scope

- All products containing metal
- Region(s): Global



Definition

Indicator measuring the content of recycled metals included in a commercial reference.

The scope and definition are aligned with Schneider Green Materials strategy.



Additional information

- Granularity: at product range level

Information available in the product webpages

The content is published with whole numbers, from 1%.

Materials and substances

Average percentage of ASI certified aluminum

1 Self-verification



Scope

- All products containing metal
- Region(s): Global



Additional information

- Granularity: at product range level



Definition

The [Aluminium Stewardship Initiative](#) (ASI) is a global non-profit standards setting and certification organization. It works together with producers, users and stakeholders in the aluminum value chain to collaboratively foster responsible production, sourcing and stewardship of aluminum.

This indicator is measuring the content of ASI certified aluminum included in a commercial reference.

The scope and definition are aligned with Schneider Green Materials strategy.

Information available in the product webpages

The content is published with whole numbers, from 1%.

Materials and substances

Average percentage of Responsible Steel metal

1 Self-verification

Scope

- All products containing metal
- Region(s): Global

Additional information

- Granularity: at product range level

Definition

Responsible Steel is a global, not-for-profit organization created to maximize steel's contribution to a sustainable world. Working collaboratively with their members, they have developed an independent standards and certification program for steel via a process that uses the ISEAL Codes of Good Practice as a reference. They aim to set the global standard for socially and environmentally responsible net-zero steel.

This indicator is measuring the content of responsible steel included in a commercial reference.

The scope and definition are aligned with Schneider Green Materials strategy.

Information available in the product webpages

The content is published with whole numbers, from 1%.

Materials and substances

Average percentage of Copper mark metal

1 Self-verification



Scope

- All products containing metal
- Region(s): Global



Definition

The [Copper Mark](#) is the leading assurance framework to promote responsible practices across the copper, molybdenum, nickel and zinc value chains.

This indicator is measuring the content of Copper mark certified metal included in a commercial reference.

The scope and definition are aligned with Schneider Green Materials strategy.



Additional information

- Granularity: at product range level

Information available in the product webpages

The content is published with whole numbers, from 1%.

Materials and substances

Packaging made with recycled cardboard

3

Internal expert verification



Scope

- All products
- Region(s): Global



Additional information

- Granularity: at product range level



Definition

Indicator supporting Schneider Electric's 2025 commitment that 100% of our primary and secondary packaging uses recycled cardboard.

Cardboard is considered as recycled when it includes at least 70% globally and 50% for US recycled fiber by weight, if legally accepted.

Exemptions are defined when there is no alternative that fits Schneider's technical, safety and quality needs for products sold. They are designed when virgin cardboard brought technical features to ensure product protection and can't be phased out easily.

Regarding the type of "recycled" material accepted for this indicator, alignment is required with the ISO 14021 standard which defines post-consumer and pre-consumer recycling.

Information available in the product webpages

Yes: is used if the product is sold in a packaging with at least 70% (50% in the USA) recycled fibers, has never been sold with cardboard or has no packaging

No: Product sold with a virgin cardboard, that may be covered by an internal exemption to our commitment.

Some orders may include non-recycled cardboard until stock runs out.

Materials and substances

Packaging without single-use plastics

3 Internal expert verification

Scope

- All products
- Region(s): Global

Additional information

- Granularity: at product range level

Definition

Indicator supporting our 2025 SSI#5 commitment that 100% of our primary and secondary packaging is free from single-use plastic.

A single-use plastic product means a product that is made wholly or partly from plastic and that is not conceived, designed or placed on the market to accomplish, within its life span, multiple trips or rotations by being returned to a producer for refill or reused for the same purpose for which it was conceived”.

Exempted single-use plastic are plastic types that cannot be removed as such, meaning there is no alternative that fits Schneider’s safety, regulatory, technical and quality needs to sell this product. Those exemptions are allowed when plastics parts enhanced a products technical feature to ensure product protection and cannot be phased out easily.

Information available in the product webpages

Yes: is used if the product is without single-use plastics, has never been sold with cardboard or has no packaging

No: Product sold with single-use plastics, that may be covered by an internal exemption to our commitment.

Some orders may include single-use plastics until stock runs out.

Materials and substances

Compliance with REACH, SCIP ID

1 Self-verification



Scope

- All products, including brand labelled products
- Region(s): Global



Additional information

- Granularity: at product level.
- REACH restrictions and declarations target a pair substance/application, not only the sole presence of the substance.



Definition

Indicator expressing compliance with REACH, and displaying the list of Substances of Very High Concern (SVHC) present in the product in the attached declaration.

Each commercial reference that contains at least one SVHC and is sold in a member state of the European Union should display a SCIP ID.

No extrapolation is possible for this indicator: each product must be evaluated at product level.

Information available in the product webpages

- Free of substances of very high concern
- Contains substances of very high concern above the threshold

The REACH declaration is available with the details.

Materials and substances

Compliance with EU RoHS and China RoHS

1 Self-verification



Scope

- EU RoHS: All products, including brand labelled products
- China RoHS: Products sold in China
- Region(s): Global for RoHS, China for China RoHS



Definition

Indicator expressing compliance with EU RoHS/China RoHS, and the list of substances covered by exemptions, when applicable, in the attached declaration.

No extrapolation is possible for this indicator: each product must be evaluated at product level.



Additional information

- Granularity: at product level.

Information available in the product webpages

Verdict on the absence (Compliant) or presence of substances covered by exemptions in the product (Compliant with exemptions).

The declaration is available with the details.



Materials and substances

Compliance with California Prop 65

3 Internal expert verification

Scope

- Product sold in the USA
- Region(s): USA

Additional information

- Granularity: product range level (for the referent product).

Definition

Indicator expressing compliance with California Prop 65 and displaying the list of substances to be declared, as follows:

List based on California Prop 65: when a carcinogenic and/ or reproductive toxicant is present, a warning specific to the carcinogenic and/or reproductive toxic substance is displayed.

Information available in the product webpages

Warning message indicating the name of the carcinogenic and/ or reproductive toxicant present in the product.

Materials and substances

Halogen-free status

3 Internal expert verification

Scope

- All products containing plastic
- Region(s): Global

Additional information

Granularity: at product range level

Definition

Halogenated Flame Retardants (HFRs) presence is a recyclability disturber impacting a product's ability to be recycled.

There is no threshold for the mass of plastic parts covered by this attribute.

Information available in the product webpages

The halogen classification of products refers to the following standards:

- **Halogenated flame retardants free:** ISO-1043-4
- **Halogen free plastic parts product:** EN50642, IEC 63355
- **Halogen free plastic parts & cables product:** EN50642, IEC 63355, IEC 60754-1-2
- **Halogen free product:** EN 50642, IEC 63355, IEC 60754-1-2, IEC 61249-2-21, IPC J-STD-004B.

Materials and substances

PVC-free

1 Self-verification

Scope

- All products containing plastic
- Region(s): Global

Additional information

Definition

PVC is targeted by some regulations and some NGOs (such as Green Peace in their [Guide to Greener electronics](#))

Some markets, labels and countries are very sensitive to the presence of PVC.

Information available in the product webpages

Assessment of the presence of PVC above 0,1% in each part.

Materials and substances

Silicone-free

2

Internal non-
verification

Scope

- All products
- Region(s): Global



Definition

Silicone is a synthetic polymer that is generally a liquid or a flexible, rubberlike plastic with low toxicity, high heat resistance and good electrical insulation.

In Schneider Electric a typical use of Silicone is as a sealant to make our enclosures watertight.



Additional information

Information available in the product webpages

Assessment of the presence of Silicone above 0,1% in each part processed in in-house processes.



Energy efficiency

Energy consumption and saved
CO₂ emissions



Energy efficiency

Energy efficiency optimized

3 Internal expert verification



Scope

- All products
- Region(s): Global



Definition

Energy efficiency is a key aspect both for environmental and costs savings reasons. By providing our customers with highly energy efficient products or with enablers to reduce energy, we help them achieving their sustainability goals, saving energy costs and reducing their environmental footprint.

Information available in the product webpages

A. Energy efficient product :

- OPTION 1: life cycle savings on energy costs cover 10% of product CAPEX, the latter being the price paid by the client for the product
- OPTION 2: at normal use conditions, it reaches a higher energy efficiency class (if defined by standards or EU EcoDesign standards) or its energy efficiency is at least 10% higher than global market average (if no energy efficiency class defined by standards), or it's at least 10% more efficient than previous generation, or its ROI is < 3 years

B. Energy efficient system

- Software – software with energy management as one of the core capabilities
- Products – the products are essential to the efficient architecture and available: if the architecture is considered to be efficient the product needs to be either connected, smart or available for future connectivity + only technologies essential to the architecture

Energy efficiency

ENERGY STAR®

4 Third party verification

Scope

- Product covered by the ENERGY STAR® scheme
- Region(s): Global

Definition

Indicates if the external label ENERGY STAR® was obtained by the product, or not. Only products awarded the latest label “Energy Star UPS V2.0 (USA)” will be displayed.

Information available in the product webpages

To meet the label ENERGY STAR®, a company must register as an ENERGY STAR® member or as a member of an associated organization. Then design and submit a product through a protocol with a Certifying Body to be certified.



Energy Star V
2.0 obtained



1-100
ENERGY STAR® SCORE

Energy Star score
obtained: [1-100]/100

Energy efficiency

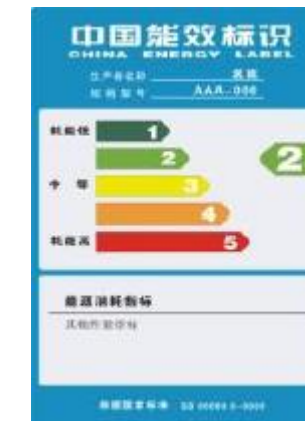
China Energy Label

Scope

- Product covered by the China Energy Label scheme
- Region(s): China

Definition

The [China Energy Label](#) is a state energy efficiency labeling system for electrical and electronic products.



4 Third party verification

Information available in the product webpages

Grade obtained by the product [1 ; 2 ; 3]

Energy efficiency

China Energy Conservation Certification

4 Third party verification

Scope

- Product covered by the China Energy Conservation Certification
- Region(s): China

Definition

China Energy conservation certification is a voluntary program aiming to promote more production and purchase of resource-efficient products in China.



Information available in the product webpages

Yes: product is certified.

Energy efficiency

Potential saved and avoided emissions during use phase

3 Internal expert verification

Scope

- 7 connected product offers considered in our SSI#2 commitment: Variable Speed Drives, 1-phase UPS, 3 phases-UPS, Transformers, Power Quality, Cooling, AirSeT
- Region(s): Global

Additional information

- Granularity: at product range level

Definition

Indicator informing the contribution of the offer to emission reductions enabled by SE products during use phase. They are net emissions of an offer/product i.e. the difference between induced emissions (Scope 1, 2 & 3) and a reference situation expressed in a qualitative way by SE teams as per the (see [CO₂ Impact Methodology](#)).

Information available in the product webpages

If your offer is listed within the offers considered for the SSI #2 and covered by the Environmental Data Program, this offer will contribute to emission reduction during use phase under specific conditions.



Life-time extension

Repairing and updatability of firmware



Lifetime extension

Firmware updatability

2

Internal non-
verification

Scope

- All products with associated firmware, all firmwares
- Region(s): Global



Additional information

- Granularity: at product range level.



Definition

Update⁽¹⁾: maintenance of software (includes fixes and security patches). Softwares include applications, operation systems or firmware.

This indicator highlights the fact that we will provide patches for our firmware, for critical bugs only.

As per the EU Taxonomy Regulation on Circular Economy, availability of software updates is at least eight years⁽²⁾ after commercialization.

(1)Definitions from IEC TC1 JWG2 and aligned with ESPR.

(2)As per French AGEC law, the manufacturer should provide at least 2 years updates to maintain the conformity of the goods

Information available in the product webpages

Yes: indicates that the firmware is updatable, with the availability of security updates for the maintenance of firmware's for the next 8 years after the commercialization..



Repack & Remanufacture

Dismantling instructions, recyclability,
take-back services

Repack and remanufacture

Circularity Profile

1 Self-verification

Scope

- All products subject to the Annex VI of the Waste from Electrical and Electronic Equipment (WEEE)
- Mandatory for Europe, voluntary globally

Additional information

- Granularity: at product range level.

Definition

The Circularity profile provides information to dismantle the product to be correctly recycled.

It can take the form of an end-of-life instructions sheet with content of the product and specific instructions for disassembling/depollution of the device if required.

The Annex VI of the WEEE directive covers “*Selective treatment for materials and components of waste electrical and electronic equipment*”.

Information available in the product webpages

The Circularity profile is available with dismantling instructions.

Repack and remanufacture

Recyclability potential

3 Internal expert verification

Scope

- All markets
- Region(s): Global

Additional information

- Applicability: referent products with a digitalized PEP
- Granularity: at product range level.

Definition

Recycling is defined within Schneider as the material-processing operations including mechanical recycling, feedstock (chemical) recycling and organic recycling, but excluding energy recovery.

The recyclability potential (by mass) is calculated in the PEP by taking into account all the parts present in the product. Only the recyclability of materials is considered, not permanent connections.

The calculation of the recyclability potential relies on the scenario "France - parts are shredded" of Techincal Report 62635 (under revision) considering all parts in the product and materials recyclability. We recognized that this may not always allow comparison with other competitor offers on the market and are waiting for a common standard to be published end of 2026.

It is disclosed for products following PEP-Ecopassport Product category rule edition 4 to ensure consistency.

Information available in the product webpages

The recyclability potential is published with whole numbers.

Repack and remanufacture

Removable battery

1 Self-verification



Scope

- Active electronic products with at least one battery
- Region(s): Global



Additional information

- Granularity: at product level.



Definition

The removability of a battery is a key feature impacting a product's recyclability.

User replaceable⁽¹⁾: the battery is “removable with tools commonly available to the end-user and without destruction of the device or battery, thus enabling replacement to support further operation of the device”.

Removable⁽¹⁾: “when the battery can be safely taken out of a device (with or without the use of tools), avoiding damage to the battery, though in some cases resulting in the destruction of the device”. The battery can then be sent out for end-of-life treatment. Schneider strategy focuses on ensuring there is no glue, the battery is not welded or overmolded and can be removed safely with basic tool from EN45554.

This disclosure will be mandatory for portable batteries from 2027.

(1) « Guidelines on removability and replaceability of portable and Light Means of Transport batteries (as per Article 11 of Regulation (EU) 2023/1542). »

Information available in the product webpages

The battery is considered removable if it is not glued, welded or overmolded and can be removed safely with basic tools from EN 45 554.

Repack and remanufacture

WEEE Directive

1 Self-verification



Scope

- All products in scope of the WEEE Directive and similar regulations
- Region(s): Products sold in European Economic Area (EEA) countries including all EU member states, Norway, Liechtenstein, and Iceland.



Additional information

- Granularity: at product range level.



Definition

Waste from Electrical and Electronic Equipment (WEEE), also known in other regions of the world as “e-waste”, refers to regulations, typically passed at a country or state level aiming at promoting the reuse and recycling of electrical and electronic equipment and thereby reducing resource consumption and the amount of e-waste going to landfill. Requirements of WEEE regulations include, among others, financing the collection, treatment recovery, and environmentally sound disposal of WEEE.

Information available in the product webpages

If the product is covered by the WEEE Directive, the product must be disposed following specific waste collection and never end up in rubbish bins. More guidelines on dismantling and sorting can be found in the Circularity Profile.

Repack and remanufacture

Take-back

2

Internal non-
verification

Scope

- All Products
- Region(s): Global



Additional information

- Granularity: at product range level.



Definition

This indicator highlights products for which there is an end-of-life take-back option available in each country on se.com.

Not included: returns of products under warranty, or due to quality reasons, or because an account manager is giving a special authorization.

Information available in the product webpages

No: means there is currently no standard take-back for end of use/life

Yes: means at least one collection system is available in the country:

- 'general' take-back via a Schneider Electric specific program
- 'general' take-back via Extended Producers Responsibility (EPR) collective/eco-organisms
- specialized take-back for battery containing products
- specialized take-back for SF₆ gas containing products

Repack and remanufacture

Cradle-to-cradle label

4 Third party verification

Scope

- All products
- Region(s): Global

Additional information

- Granularity: at product range level.

Definition

Indicates which certification has been obtained: “Bronze”, “Silver”, “Gold”, “Platinum”. “Basic” certification is not disclosed.

Product receives an achievement level in each of 5 categories : Material health, Material Reutilization, Renewable Energy & Carbon Management, Water Stewardship and Social Fairness.

Information available in the product webpages

If the product obtain the Cradle-to-cradle label, the label and the status are displayed.



*Cradle to Cradle
obtained*



*Cradle to Cradle certification obtained
“Bronze”, “Silver”, “Gold”, “Platinum”*

Help

Please see all acronyms used in Schneider Electric documentation [here](#).

General terms

CR – Commercial reference

FU – Functional unit: reference quantity of a product / system allowing it to deliver its end-use application. Functional units are foundational to LCAs, as all metrics (such as input materials or energy consumption) are expressed per functional unit

GP – Green Premium, landmark ecolabel of Schneider Electric

IA – Industrial Automation (one of Schneider Electric' division)

PEP – Product Environmental Profile registered under the PEP ecopassport® Program. It is a Type III environmental declaration (compliant with ISO 14025) concerning electrical, electronic and HVAC (heating, ventilation, air-conditioning, refrigeration) products

SCOPE – product families for which the environmental attribute is applicable. We are aiming to make the environmental attribute available for all products included in these families

SP – Secure Power (one of Schneider Electric' division)

SSI – Schneider Sustainability Index

UE – Universal Enclosure (one of Schneider Electric' division)

Regulations, substances and materials

AGEC Law – Anti-waste law for a circular economy: French law that aims to accelerate the change of production and consumption model to limit waste and preserve natural resources

CA Prop65 – California Proposition 65: Californian regulation requiring businesses to provide warnings to Californians about exposures to chemicals that cause cancer, birth defects or other reproductive harm

ERP – Enterprise Resource Planning: type of software used to manage day-to-day business activities such as accounting, procurement, compliance, etc.

ESPR – European Sustainable Products Regulation: EU Regulation proposal to reduce the negative life cycle environmental impacts of products

FMD – Full Material Disclosure: comprehensive list of substances within a particular product or material

HFR – Halogenated Flame Retardants: group of bromine or chlorine-containing chemicals

IHM – Inventory of Hazardous Materials: document identifying all potentially hazardous materials onboard a vessel, following IMO Resolution guidelines

POP – Persistent Organic Pollutants: substances persisting in the environment, accumulate in living organisms and pose a risk to health & environment, regulated by the EU under the “POPs Regulation” (Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants)

Regulations, substances and materials

PVC – Polyvinyl chloride: widely-produced synthetic polymer (plastic), used in a broad range of industrial, technical and everyday applications

SF6 – Sulfur hexafluoride (SF6), part of fluorinated greenhouse gases (F-gases)

SVHC – Substances of Very High Concern: substances classified under REACH as they may have serious effects on human health and the environment

TSCA – Toxic Substances Control Act: United States law that regulates chemicals

WEEE – Waste from Electrical and Electronic Equipment

Others

EOL – End of Life: Last phase of a product lifecycle

EVSE – Electric Vehicle Supply Equipment: refers to electric vehicles' charging stations

IEC – International Electrotechnical Commission: international standards organization that prepares and publishes international standards for all electrical and electronic technologies

UPS – Uninterruptible Power Supply: device providing continuous power to electronics

WBCSD – World Business Council for Sustainable Development: organization of over 200 international companies working on sustainability topics

Life Is n



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complete information, visit

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