

# Product Environmental Profile

## HDPM6000R Strip Modules





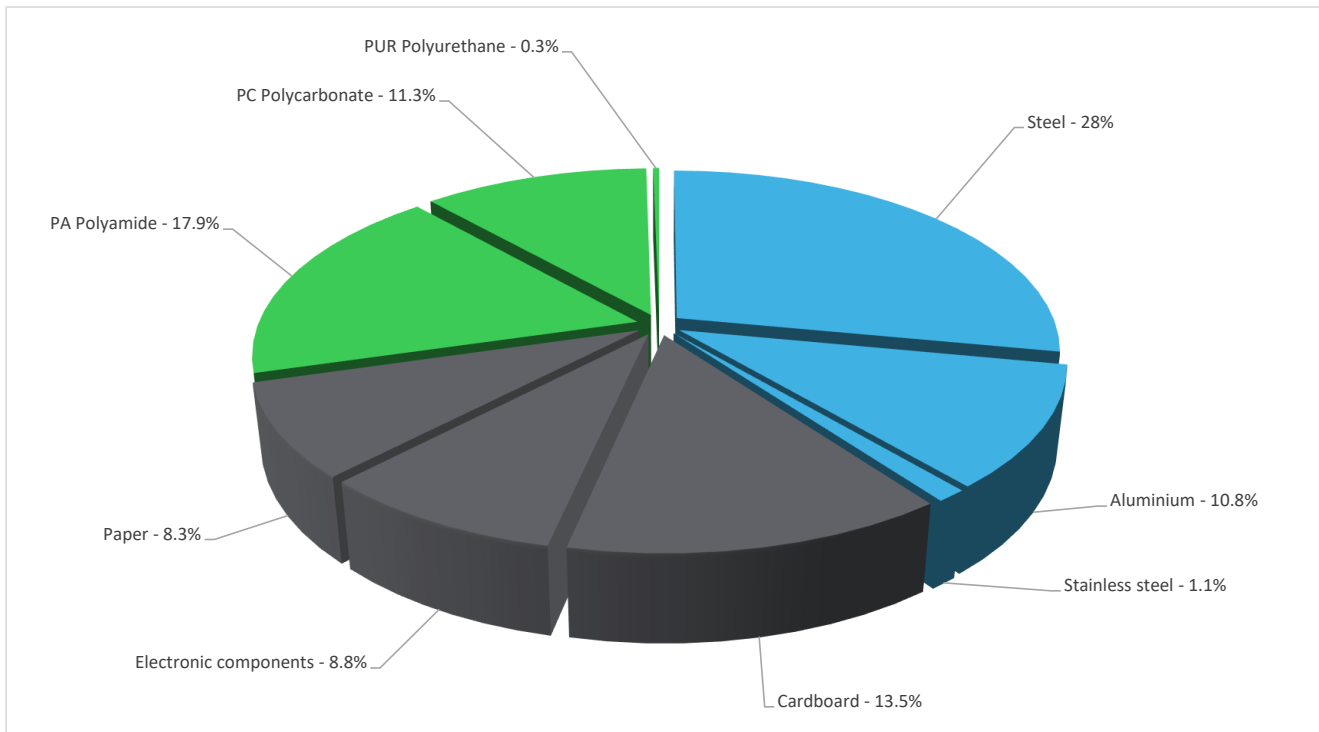
## General information

|                            |   |
|----------------------------|---|
| Reference product          | HDPM6000R Strip Modules - METSEHDPM6S24WF   |
| Description of the product | The HDPM6000 S24 Strip is an integrated solution for monitoring multi-circuits and power quality by using a single meter. The meter is designed for use in new build and is used for critical power operations in data centres, facilities and energy management in buildings. Allow monitoring of loads up to 4000A with utility grade accuracy on all branch channels. The strip, straight, is designed to connect current transformers in order to measure values for 24 branch circuits. Allow measurement of energy, power demand, instantaneous power, current, harmonic, voltage and more - in total or per phases. Devices can be connected in dasy-chain thanks to CAT5 or CAT6 straight-through Ethernet cable. The HDPM6000 series can also maintain multiple, concurrent sessions with EPMS, DCIM or BMS applications via the Modbus, SNMP and BACnet IP protocols. This variant provides waveform capture functionality without the need for additional proprietary software in addition to THD. |
| Description of the range   | Single product  |
| Functional unit            | The strip, straight, is designed to connect current transformers in order to measure values for 24 branch circuits. This function with the following parameters:<br>- Analogue input type: External CT24 x<br>- Measurement voltage: 120...480 V AC 50/60 Hz<br>- Communication port support: 2 RJ45 I/O bus<br>- Memory capacity: 8 GB<br>Certified for IEC61326-1 and EN61326-1:2020, related to Industrial Electromagnetic Environment.  |



## Constituent materials

|                        |   |
|------------------------|---|
| Reference product mass | 716 g including the product, its packaging, additional elements and accessories |
|------------------------|---|



|          |       |
|----------|-------|
| Plastics | 29.5% |
| Metals   | 39.9% |
| Others   | 30.6% |



## 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: | 59% | 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). |
|-------------|--------------------------|-----|--|

## Environmental impacts

|                                  |   |                |   |
|----------------------------------|---|----------------|---|
| Reference service life time      | 10 years  |                |   |
| Product category                 | Other equipments - Active product   |                |   |
| 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 require any installation operations  |                |   |
| Use scenario                     | The product is in active mode 100% of the time with a power use of 1.512 W for 10 years.  |                |   |
| Time representativeness          | The collected data are representative of the year 2024  |                |   |
| 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      |   |
|                                  | United States   | United States  |   |
| Energy model used                | [A1 - A3]   | [A5]           | [B6]  |
|                                  | Electricity Mix; Low voltage; 2020; United States, US   | No energy used | Electricity Mix; Low voltage; 2020; United States, US |
|                                  |   |                | [C1 - C4]   |
|                                  |   |                | Global, European and French datasets are used.        |

Detailed results of the optional indicators mentioned in PCRed4 are available in the LCA report and on demand in a digital format - Country Customer Care Center - <http://www.se.com/contact>

| Mandatory Indicators   |              | HDP6000R Strip Modules - METSEHDP6S24WF |                           |                     |                     |                 |                         |                          |
|--|--------------|---|---------------------------|---------------------|---------------------|-----------------|-------------------------|--------------------------|
| 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    | 1.32E+02                                | 6.74E+01                  | 2.07E-01            | 2.10E-01            | 6.37E+01        | 9.36E-01                | -1.89E+00                |
| Contribution to climate change-fossil                        | kg CO2 eq    | 1.32E+02                                | 6.74E+01                  | 2.07E-01            | 2.10E-01            | 6.34E+01        | 9.35E-01                | -1.86E+00                |
| Contribution to climate change-biogenic                      | kg CO2 eq    | 2.92E-01                                | 0*                        | 0*                  | 0*                  | 3.29E-01        | 1.37E-03                | -3.45E-02                |
| Contribution to climate change-land use and land use change  | kg CO2 eq    | 1.31E-04                                | 1.31E-04                  | 0*                  | 0*                  | 0*              | 1.41E-07                | 0.00E+00                 |
| Contribution to ozone depletion                              | kg CFC-11 eq | 1.15E-05                                | 1.11E-05                  | 1.83E-07            | 0*                  | 2.47E-07        | 1.65E-08                | -2.65E-07                |
| Contribution to acidification                                | mol H+ eq    | 5.70E-01                                | 2.76E-01                  | 9.34E-04            | 1.20E-04            | 2.90E-01        | 2.48E-03                | -1.18E-02                |
| Contribution to eutrophication, freshwater                   | kg P eq      | 3.15E-04                                | 2.06E-04                  | 0*                  | 3.23E-08            | 1.06E-04        | 2.64E-06                | -5.35E-06                |
| Contribution to eutrophication, marine                       | kg N eq      | 6.84E-02                                | 3.08E-02                  | 4.32E-04            | 4.92E-05            | 3.66E-02        | 5.49E-04                | -1.06E-03                |
| Contribution to eutrophication, terrestrial                  | mol N eq     | 7.81E-01                                | 3.38E-01                  | 4.67E-03            | 5.54E-04            | 4.32E-01        | 6.16E-03                | -1.19E-02                |
| Contribution to photochemical ozone formation - human health | kg COVNM eq  | 2.25E-01                                | 1.01E-01                  | 1.52E-03            | 1.24E-04            | 1.21E-01        | 1.65E-03                | -4.04E-03                |
| Contribution to resource use, minerals and metals            | kg Sb eq     | 2.64E-03                                | 2.63E-03                  | 0*                  | 0*                  | 9.67E-06        | 0*                      | -2.58E-04                |
| Contribution to resource use, fossils                        | MJ           | 2.06E+03                                | 6.66E+02                  | 2.59E+00            | 0*                  | 1.38E+03        | 6.55E+00                | -3.35E+01                |
| Contribution to water use                                    | m3 eq        | 2.66E+01                                | 2.33E+01                  | 1.05E-02            | 3.30E-02            | 3.20E+00        | 9.58E-02                | -5.52E-01                |

| Inventory flows Indicators  |      | HDP6000R Strip Modules - METSEHDP6S24WF |                           |                     |                     |                 |                         |                          |
|---|------|---|---------------------------|---------------------|---------------------|-----------------|-------------------------|--------------------------|
| 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   | 2.21E+02                                | 5.19E+01                  | 0*                  | 0*                  | 1.69E+02        | 3.25E-01                | -8.49E-01                |
| Contribution to renewable primary energy used as raw material     | MJ   | 3.14E+00                                | 3.14E+00                  | 0*                  | 0*                  | 0*              | 0*                      | 0.00E+00                 |
| Contribution to total renewable primary energy                    | MJ   | 2.24E+02                                | 5.51E+01                  | 0*                  | 0*                  | 1.69E+02        | 3.25E-01                | -8.49E-01                |
| Contribution to non renewable primary energy used as energy       | MJ   | 2.05E+03                                | 6.58E+02                  | 2.59E+00            | 0*                  | 1.38E+03        | 6.55E+00                | -3.35E+01                |
| Contribution to non renewable primary energy used as raw material | MJ   | 8.17E+00                                | 8.17E+00                  | 0*                  | 0*                  | 0*              | 0*                      | 0.00E+00                 |
| Contribution to total non renewable primary energy                | MJ   | 2.06E+03                                | 6.66E+02                  | 2.59E+00            | 0*                  | 1.38E+03        | 6.55E+00                | -3.35E+01                |
| 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   | 6.13E-01                                | 5.35E-01                  | 2.45E-04            | 7.69E-04            | 7.46E-02        | 2.70E-03                | -1.29E-02                |
| Contribution to hazardous waste disposed                          | kg   | 5.57E+01                                | 5.44E+01                  | 0*                  | 0*                  | 1.19E+00        | 6.84E-02                | -2.04E+01                |
| Contribution to non hazardous waste disposed                      | kg   | 3.18E+01                                | 2.17E+01                  | 0*                  | 2.51E-01            | 9.42E+00        | 4.29E-01                | -2.52E+00                |
| Contribution to radioactive waste disposed                        | kg   | 1.22E-02                                | 9.87E-03                  | 4.13E-05            | 3.03E-06            | 2.23E-03        | 2.21E-05                | -1.78E-03                |
| Contribution to components for reuse                              | kg   | 0.00E+00                                | 0*                        | 0*                  | 0*                  | 0*              | 0*                      | 0.00E+00                 |
| Contribution to materials for recycling                           | kg   | 3.37E-01                                | 4.79E-02                  | 0*                  | 0*                  | 0*              | 2.89E-01                | 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   | 3.23E-03                                | 3.67E-04                  | 0*                  | 0*                  | 0*              | 2.86E-03                | 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 | 5.11E-02 |

\* 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%)

Life cycle assessment performed with EIME version v6.2.4, database version 2024-01 in compliance with ISO14044, EF3.1 method is applied, for biogenic carbon storage, assessment methodology -1/1 is used

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

|   |                     |                                     |  |
|---|---------------------|-------------------------------------|--|
| Registration number :   | ENVPEP2510015_V1-EN | Drafting rules                      | PEP-PCR-ed4-2021 09 06   |
| Date of issue   | 10-2025             | Supplemented by                     | PSR-0005-ed3-2023 06 06  |
|   |                     | Information and reference documents | <a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a> |
|   |                     | Validity period                     | 5 years  |
| Independent verification of the declaration and data, in compliance with ISO 14021 : 2016                         |                     |                                     |  |
| Internal  | X                   | External                            |  |
| The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)                             |                     |                                     |  |
| PEPs are compliant with XP C08-100-1:2016 and EN 50693:2019 or NF E38-500 :2022                                   |                     |                                     |  |
| The components of the present PEP may not be compared with components from any other program.                     |                     |                                     |  |
| Document complies with ISO 14021:2016 "Environmental labels and declarations. Type II environmental declarations" |                     |                                     |  |

Schneider Electric Industries SAS  
 Country Customer Care Center  
<http://www.se.com/contact>  
 Head Office  
 35, rue Joseph Monier  
 CS 30323  
 F- 92500 Rueil Malmaison Cedex  
 RCS Nanterre 954 503 439  
 Capital social 928 298 512 €