



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-BF-23003E-A

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization  
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan  
<https://ecoleaf-label.jp/>

Fsas Technologies Inc.

PRIMERGY TX2550 M7



### Functional unit

Per product

### System boundary

☒ final products ☐ intermediate products

Raw material acquisition, Production, Distribution,  
Use & maintenance, End-of-Life

### Main specifications of the product

Product: PYT2557TCN

Tower Server

CPU: Dual Socket

Intel® Xeon® Scalable Processors

Dimensions: 176.5 × 762.7 × 456.2 mm

(Dimensions without protrusions)

Use period: 5 years

### Company Information

Fsas Technologies Inc.

<https://eu.fsastech.com/eu/about-us/contact/>

|                                                                                |                       |
|--------------------------------------------------------------------------------|-----------------------|
| Registration#                                                                  | JR-BF-23003E-A        |
| PCR number                                                                     | PA-520000-BF-04       |
| PCR name                                                                       | IT equipments         |
| Publication date                                                               | 2023/09/27            |
| Verification date                                                              | 2023/08/23            |
| Verification method                                                            | Product-by-product    |
| Verification#                                                                  | JV-BF-23002           |
| Expiration date                                                                | 2028/08/22            |
| PCR review was conducted by:                                                   |                       |
| Approval date                                                                  | 2023/08/15            |
| PCR review panel chair                                                         | Ken Yamagishi (SuMPO) |
| Third party verifier*                                                          |                       |
| Hiroyuki Uchida                                                                |                       |
| Independent verification of data & declaration in accordance with ISO14025     |                       |
| <input type="checkbox"/> internal <input checked="" type="checkbox"/> external |                       |

\*Auditor's name is stated if system certification has been performed.

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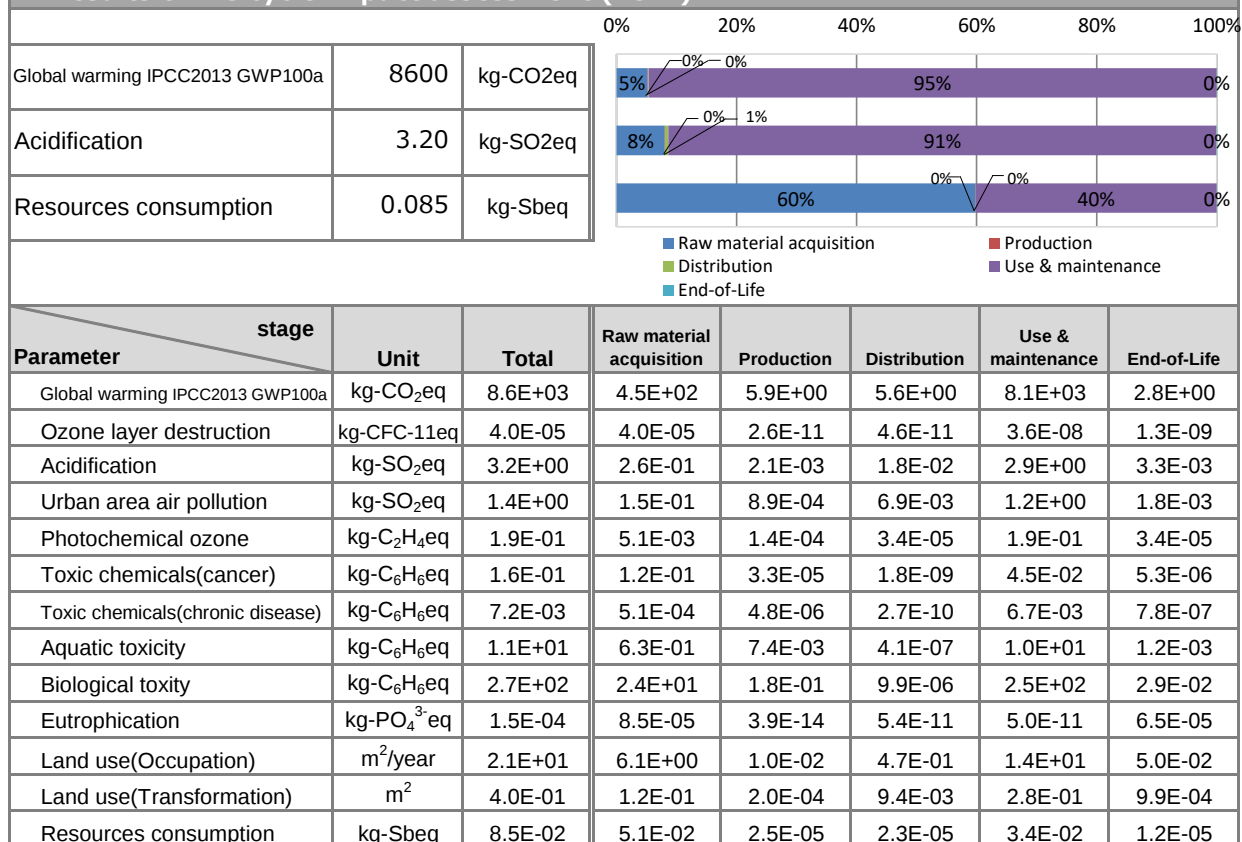
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<https://ecoleaf-label.jp/>**1. Results of life cycle impact assessment (LCIA)****2. Life cycle inventory analysis (LCI)**

| Parameter                                                               | Unit                   |
|-------------------------------------------------------------------------|------------------------|
| Non-renewable material resources                                        | 4.1E+01 kg             |
| Non-renewable energy resources                                          | 3.4E+03 kg             |
| Non-renewable energy resources                                          | 1.4E+05 MJ             |
| Renewable material resources                                            | 5.9E+01 kg             |
| Renewable primary energy                                                | 4.8E+03 MJ             |
| Consumption of freshwater                                               | 1.4E+00 m <sup>3</sup> |
| Emissions, carbon dioxide (fossil), air, unspecified                    | 8.5E+03 kg             |
| Resources, crude oil, 44.7MJ/kg, ground, Non-renewable energy resources | 5.4E+02 kg             |
| Emissions, volatile organic compound, air, unspecified                  | 6.2E-04 kg             |

**3. Material composition**

| Material              | Unit |
|-----------------------|------|
| Steel sheet           | 60 % |
| Aluminum              | 2 %  |
| Copper                | 5 %  |
| ABS                   | 1 %  |
| PC                    | 4 %  |
| PBT                   | 4 %  |
| Printed circuit board | 10 % |
| Cardboard             | 9 %  |
| Others                | 4 %  |



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## 5. Additional explanation

- Scenario Product Type: Computer Server (excluding the blade system)
- Product Name: PRIMERGY TX2550 M7 Model Name: PYT2557TCN
- Measurement conditions: Power consumption during use is measured by the measurement method specified by PCR (PA-520000-BF-04)
- Use period: 5 years
- Take-back rate: Calculated assuming 100%
- Use Location: Japan
- Product Configuration:
  - CPU: Intel® Xeon® Gold 5415+ x2
  - (Adjusted Peak Performance(APP): 0.222720WT, Gigaflops: 742.4 GFLOPS)
  - DIMM : 16GB DDR5 x16
  - HDD : 2.5inch 900GB x2

## 6-1. Supplementary environmental information

Compliant with the International Energy Star Program Ver3.0. It also complies with the European RoHS Directive.

## 7. Assumptions of secondary data used

IDEA v2.1.3 and SuMPO Environmental Label Program Registration Data Ver 1.13 are used.

## 8. Remarks

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- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.  
(Reference URL : <https://ecoleaf-label.jp/regulation/>)

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