

# Product Carbon Footprint



**PR2-GDGFS1**

| Life Stage                             | Boundary             | kgCO <sub>2</sub> e |
|--|----------------------|---------------------|
| Materials acquisition & Pre-processing | Nature to Ace        | 259.9               |
| Production                             | Assembly at Ace      | 4.8                 |
| Transportation                         | Distribution         | 30.8                |
| Use                                    | 3 yr warranty        | 7356.7              |
| End of Life                            | Recycle and Landfill | -4.8                |

Dual AMD EPYC™ 9005/9004 Series Processors  
 12-Channel DDR5 RDIMM, 24 x DIMMs  
 Dual ROM Architecture  
 2 x 1Gb/s LAN ports via Intel® I350-AM2  
 24 x 2.5" Gen5 NVMe hot-swap bays  
 4 x 2.5" SATA/SAS-4 hot-swap bays on the rear  
 2 x M.2 slots with PCIe Gen3 x4 and x2 interface  
 1 x FHHL PCIe Gen5 x16 slot  
 1 x OCP NIC 3.0 PCIe Gen5 x16 slot  
 Dual 2000W 80 PLUS Platinum redundant power supply

## Explanation of Uncertainty:

There is limited free data available to assess Product Carbon Footprint (PCF) Emissions Factors (EF). Therefore, we make the best effort with the data we have available. Without exhaustive data from our suppliers due to Confidential Business Information (CBI) or due to paywalls, we have used proxy data so that we can most accurately establish a PCF. While we hold that this PCF is as accurate as possible, we recognize that the lack of exact physical data and various emissions factors can limit its accuracy. As more data becomes available and we can refine our analyses and processes to a fuller extent, future PCF assessments will reflect fewer uncertainties.

Report produced in November 2025 using most recently available data.



This product lifecycle greenhouse gas (GHG) assessment conforms to the WRI GHG Protocol Product Life Cycle Accounting and Reporting Standard.

For the purposes of this PCF, we have used the 3-year warranty as the lifetime of the product, which is industry standard.

We approximate annual electricity usage to be 7008 kWh.

## Inputs used in the assessment:

Substance inventories, full material disclosures, bill of materials, physical weights of components, warranty information, proxy data, corporate carbon footprint including electricity consumption, transportation analysis internal data, publicly available emissions factors from EPA and Climatiq, estimated product use hours, Scientific papers and data, United Nations publications, FootprintCalc, and EPA electrical grid data.

