Product Carbon Footprint

PV-M5TT71

Life Stage	Boundary	$kgCO_2e$
Materials acquisition & Pre-processing	Nature to Ace	41.3
Production	Assembly at Ace	115.6
Transportation	Distribution	53.3
Use	3 yr warranty	5327.4
End of Life	Recycle and Landfill	24.8

- 4th and 5th Gen Intel Xeon Processor
- 16 DIMM slots, 2,048GB RDIMM
- 8 NVMe U.2 + 12 SATA 6Gb/s
- 1,200W CRPS, 80+ Platinum
- Storage Server / High IOPs

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 March 2025 using most recently available data.

ACECOMPUTERS

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 5045.76kWh.

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, and EPA electrical grid data.