

## About Pure Storage

Pure Storage® is a global leader in data storage and management with a mission to redefine the storage experience by simplifying how people consume and interact with data, all while positively impacting customers, partners, employees, communities and the environment.

### Introduction

Understanding and managing the carbon footprint of products has become a crucial aspect for businesses committed to environmental sustainability. This report presents an analysis of the carbon footprint of the Pure Storage FlashBlade Family of products.

Pure Storage products are designed with environmental consciousness at its core, intended to offer high performance and reliability, while helping reduce the environmental impact of IT operations. As part of our commitment to transparency and sustainable development, we have used life cycle analysis to quantify the greenhouse gas (GHG) emissions associated with the entire lifecycle of our products.

Our assessment is compliant with the guidelines of the International Organization for Standardization (ISO), specifically ISO 14044. Through the assessment, we identified the key stages in the product life cycle that contribute most significantly to its carbon footprint, thereby uncovering opportunities for further environmental improvements and emissions reduction.

### Our Technology

At Pure Storage, we offer a unified storage platform that is far more sustainable than any other available enterprise data storage technology, including other all-flash storage. Compared to competing solutions, our FlashBlade products use 50 to 70% less power and space, significantly reduce e-waste, and deliver superior reliability, for more sustainable operations.<sup>1</sup>

#### Pure Storage Is Committed to...



Being net zero by 2040, covering our Scope 1 and market-based Scope 2 emissions



Setting science based targets (SBTi), covering Scope 1, 2, and 3



Reducing use of sold product emissions per effective petabyte by 66% by 2030, against a FY20 baseline

#### PRODUCT CARBON FOOTPRINT REPORT ASSUMPTIONS

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| <b>Use Location</b>                 | EMEA                                                |
| <b>Assembly Origin</b>              | Pardubice, Czechia                                  |
| <b>Total Lifecycle</b>              | 10 years                                            |
| <b>Rack Space</b>                   | 5 RU per chassis. //E: 2 chassis minimum + 2 RU XFM |
| <b>Media Count</b>                  | //S: 7 - 40 DFM, //E: 80+ DFM                       |
| <b>Weight (including packaging)</b> | //S: 100+ kg, //E: 208+ kg                          |
| <b>Annual Energy Consumption</b>    | Varies by model. See details on next page.          |
| <b>Transportation</b>               | 1000 km, Ground                                     |

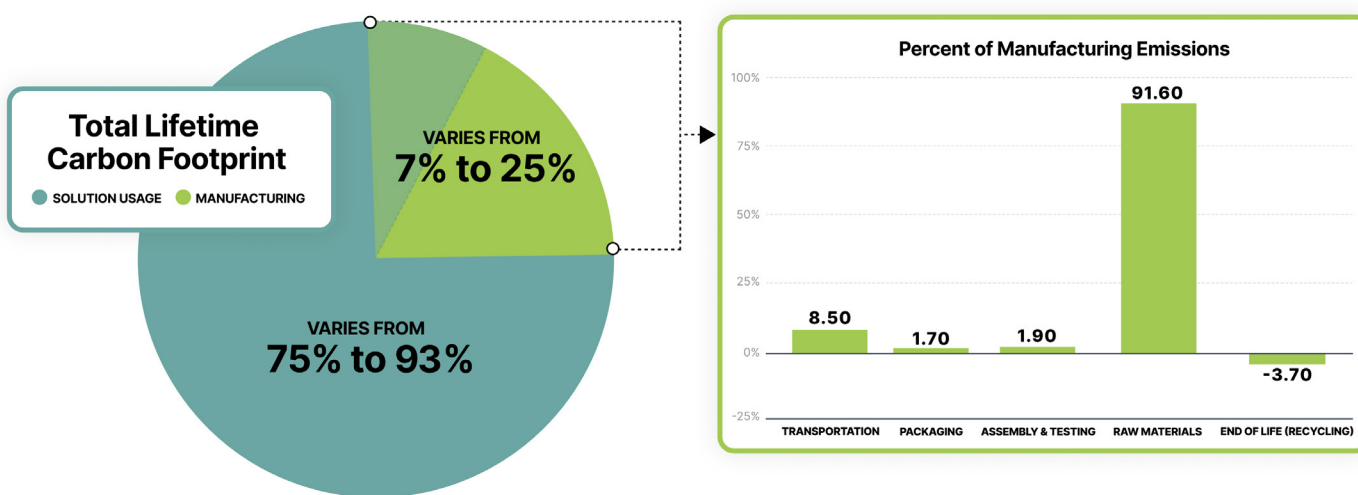
## FlashBlade Product Family

### Estimated Product Carbon Footprint<sup>2</sup>

| FlashBlade//S200                                   | 7-BLADE       | 8-BLADE       | 9-BLADE       | 10-BLADE      |               |
|----------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
| Product Carbon Footprint—Manufacturing             | 6,522kg CO2e  | 6,906kg CO2e  | 7,290kg CO2e  | 7,673kg CO2e  |               |
| Annual Energy Consumption—Product Use <sup>3</sup> | 23,334kWh     | 25,851kWh     | 28,324kWh     | 31,904kWh     |               |
| FlashBlade//S500                                   | 7-BLADE       | 8-BLADE       | 9-BLADE       | 10-BLADE      |               |
| Product Carbon Footprint—Manufacturing             | 6,522kg CO2e  | 6,906kg CO2e  | 7,290kg CO2e  | 7,673kg CO2e  |               |
| Annual Energy Consumption—Product Use <sup>3</sup> | 25,790kWh     | 27,877kWh     | 30,580kWh     | 33,604kWh     |               |
| FlashBlade//E                                      | E-6000TB      | E-12000TB     | E-18000TB     | E-24000TB     | E-30000TB     |
| Product Carbon Footprint—Manufacturing             | 15,347kg CO2e | 30,694kg CO2e | 46,040kg CO2e | 61,387kg CO2e | 76,734kg CO2e |
| Annual Energy Consumption—Product Use <sup>3</sup> | 55,607kWh     | 103,503kWh    | 142,801kWh    | 190,696kWh    | 238,616kWh    |

## FlashBlade Solution Use and Manufacturing Emissions<sup>4</sup>

**CO<sub>2</sub> emissions due to solution use vary from 75% to 93%** of the products' carbon footprint depending on the install country. The remaining portion of **CO<sub>2</sub> emissions is due to manufacturing activities which make up 7% to 25%**. The percent of manufacturing emissions due to specific activities are shown in the graph on the right.



<sup>1</sup> | Pure Storage ESG Report 2023. <sup>2</sup> | Values shown apply to FlashBlade single chassis (//S) and dual chassis (//E) models. Product Carbon Footprint calculations for the non-use phase (manufacturing) are based on ISO 14044 Life Cycle Assessment (LCA) extrapolations across the product configurations shown. Use phase emissions calculations will vary by install location. For more detailed analysis of your Pure Storage systems, visit <https://pure1.purestorage.com> and click on Assessment > Sustainability. <sup>3</sup> | Includes cooling energy assuming a data center PUE of 1.4. Annual product use CO<sub>2</sub> emissions for a each FlashBlade model can be determined by multiplying annual energy consumption by the localized CO<sub>2</sub> intensity of electricity per kWh (varies by country). The total lifecycle emissions from product use is, therefore, 10 years x annual emissions. <sup>4</sup> | Individual product use emissions will vary by geographic location. Transportation % reflects shipping during manufacturing processes only. Assuming an average of 1000 km of ground shipping to customers adds approximately 20 kg CO<sub>2</sub>e of additional emissions per product.

Disclaimer: Pure Storage may update some or all of the information in these reports as new data becomes available. Please refer to the latest reports for the most accurate and up to date values. Older reports may not be revised with newer information.