

# Sonos Ace

SONOS



Environmental  
Report

# Designing for Sustainability

At Sonos, we know the positive impact that listening has on people's lives and we're committed to amplifying it. Taking a forward-thinking approach to design, we strive to create responsible products and joyful experiences for our listeners.

Our sustainability efforts are inspired by our [Climate Action Plan](#). Beyond reducing our emissions, we are devoted to minimizing the environmental impact of our products across their full life cycles. We evaluate our hardware and software across the following areas:

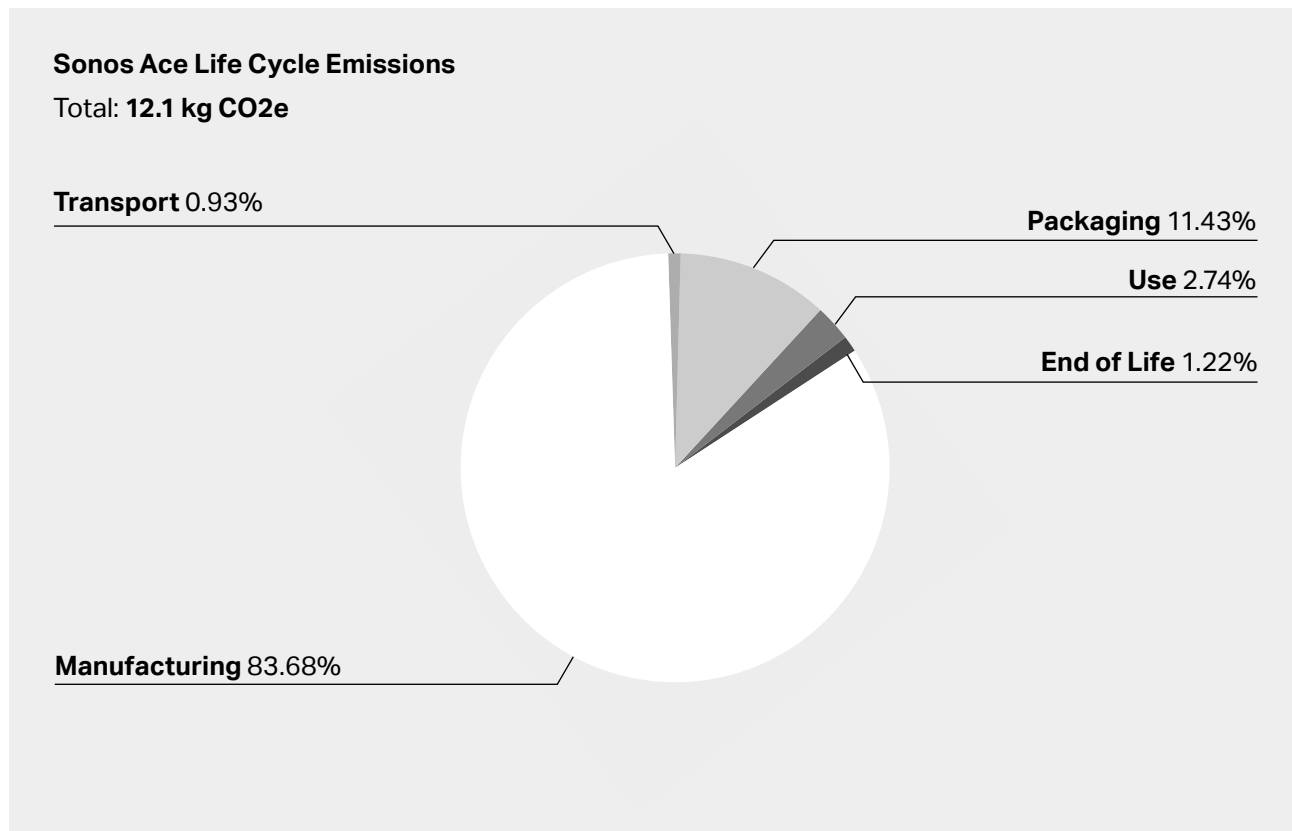
Product Longevity | Responsible Materials | Packaging | Energy Efficiency

This report provides the sustainability performance of Sonos Ace, our first-ever headphone product.

## Measuring our Impact

Our report is based on a life cycle assessment (LCA), a scientific method used to measure environmental impacts across the full product life cycle (manufacturing, packaging, transport, use, and end of life). This detailed analysis helps us better understand our impacts and craft meaningful solutions. The Sonos Ace life cycle assessment was verified by a third party to ensure our results are transparent and valid.<sup>1</sup>

Our LCA accounts for a wide range of environmental impacts, from resource availability to human health.<sup>2</sup> We also pay close attention to the amount of greenhouse gas emissions associated with each stage of Sonos Ace's life cycle because of our long-term carbon reduction goals.



## Product Longevity

To increase product longevity and reduce emissions across our global value chain, we're working to make our products easier to disassemble for more efficient refurbishment and end of life management. To purchase a refurbished product, please visit our [Sonos Certified Refurbished](#) page.

Sonos Ace uses screws in place of adhesives wherever possible, making key components like the battery more easily accessible for replacement.

Ear cushions experience more wear and tear than any other part of the headphone. Sonos Ace ear cushions are magnetically attached and easy to replace, keeping the product in use for longer and minimizing waste.

### Highlights

- Sonos Ace's design allows for efficient servicing of the battery and major components<sup>3</sup>
- Replacement ear cushions are available for purchase from Sonos.com

## Responsible Materials

Materials that go into our products are carefully selected to reduce our reliance on virgin resources. We also keep human and environmental health top of mind. As a result, our products meet or exceed all applicable global regulations on restricted, banned, or reportable substances and chemicals including, but not limited to: EU and China RoHS, EU REACH, EU Packaging and Packaging Waste Directive (PPWD), EU Battery Directive.

We developed our Halogen Free Initiative to hold our devices to a higher standard. Our focus is identifying safer alternatives to halogenated substances in printed circuit board (PCB) laminates, a component where halogens are traditionally prevalent.

### Highlights

- By incorporating recycled content, Sonos Ace uses 18.5% less virgin plastic<sup>4</sup>
- The carry case is made with 75% PCR polyester felt, certified by Global Recycled Standard<sup>5</sup>
- Sonos Ace uses halogen-free PCBs<sup>6</sup>

## Packaging

We design, develop, and deliver premium, circular packaging that provides excellent protection with minimal environmental impact. Our sustainable packaging efforts have two main goals:

- Minimize single-use plastics and incorporate certified post-consumer recycled (PCR) plastics
- Increase the use of sustainably sourced papers, defined as those made from either PCR paper content, Forest Stewardship Council® (FSC®) certified mix of virgin and PCR fibers, or recyclable plant-based fibers

### Highlights

- Primary packaging is 100% sustainably sourced with zero virgin plastic and widely accepted through curbside recycling
- Product bag uses Global Recycled Standard certified PCR PET
- Optimized design and palletization enables us to ship more products at once, lowering carbon emissions from our distribution

# Energy Efficiency

Energy use is the most significant contributor to Sonos' carbon footprint, so we aim to improve hardware and software components with power-saving features.

Various energy-saving modes and an auto-pause feature mean Sonos Ace requires fewer charges, reducing energy consumption and extending battery life. Through advanced battery management software, Sonos Ace delivers up to 30 hours of playtime and rapid charging.

## Highlights

- Power-saving modes and auto-pause feature reduce energy consumption and enhance battery lifespan

# Learn More

## How to Recycle

We provide customers with a variety of options for recycling or upgrading their retired products, including helping locate nearby e-waste facilities and paying for eligible products to be shipped back to us. For more information about how to recycle Sonos products, please visit our [website](#).

## Our Commitment to Sustainability

You can learn more about our Environmental, Social, and Governance initiatives in our [Listen Better Report](#), where we share annual progress on our sustainability efforts, supply chain responsibility, philanthropic giving, and diversity, equity, and inclusion.

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# Endnotes

1. Product life cycle assessments at Sonos are conducted according to ISO 14040/14044 and account for the manufacture, transport, use, and end of life of the product, packaging, and consumables used in production.
2. Impact categories are assessed based on an assumed product lifespan of 5 years using the following methods: IPCC100a (AR6) for Climate Change (kg CO<sub>2</sub> eq.); CED<sub>v1.02</sub> for Cumulative Energy Demand (MJ); AWARE<sub>v1.02</sub> for Water Use (m<sup>3</sup>); ReCiPe 2016 Endpoint (H) for Resource Availability (\$), Ecosystem (Species\*year), Human Health (disability-adjusted life year).
3. If Sonos Ace is still under warranty, customers can contact Sonos about a battery replacement.
4. Sonos Ace utilizes mechanically recycled post-consumer plastic content blended with virgin resin for cosmetics and performance; virgin plastic includes filled and unfilled plastic material. Percentage is calculated at product launch.
5. Carry case recycled content comes from used plastic bottles bound for landfills.
6. Sonos Ace's printed circuit boards meet the goals of our Halogen Free Initiative, which restricts the use of halogenated substances to a minimum and ensures validity through third-party verification.