Product Environmental Report

motorola edge 60 fusion

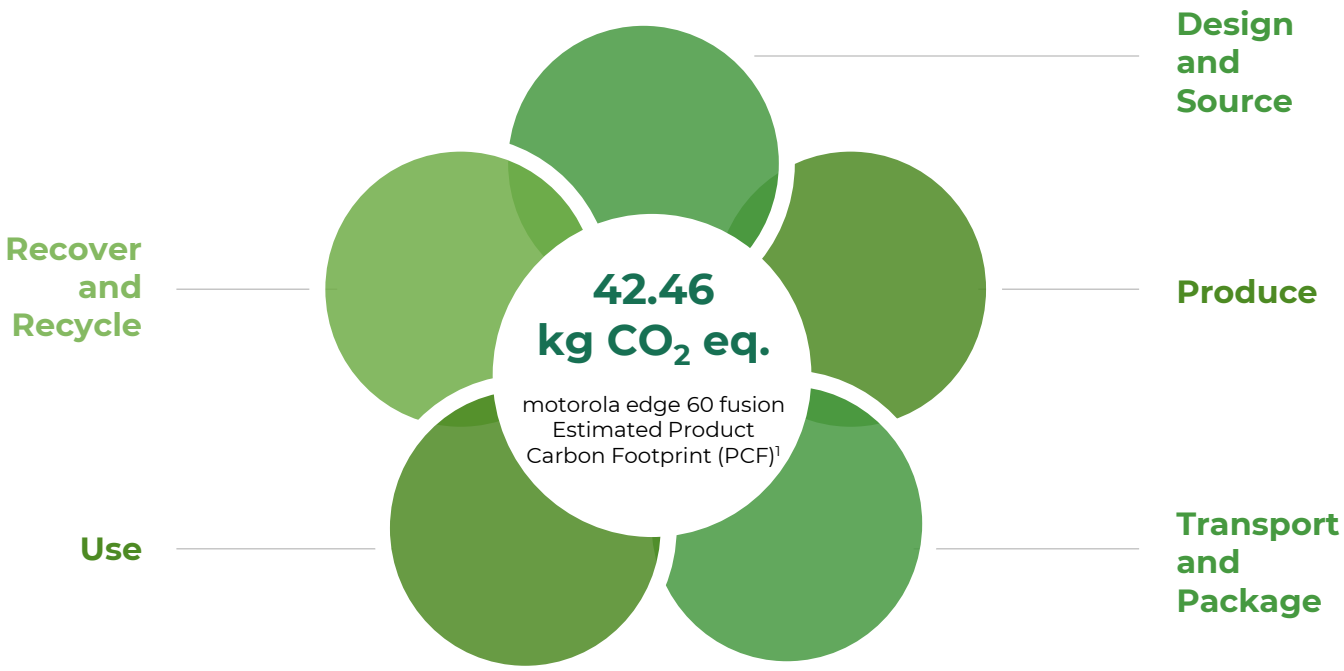
April 2025

At Motorola, we're working to provide smarter technology that builds a brighter future while achieving sustainability goals as part of Lenovo Group. From our packaging and product design with sustainability in mind to our carbon emissions reduction efforts, we’re committed to making progress on our environmental commitments and having a positive social impact in the communities where we do business.

This report contains data up to the product launch date.

Acting Across the Product Journey

We are committed to taking responsibility for our products throughout their entire life cycles. We actively manage product carbon footprint (PCF), from sourcing of materials to the manufacturing, transportation, usage, and end-of-life stages.



For example, we assessed the estimated total PCF of motorola edge 60 fusion's entire life cycle, including manufacturing, transport, use and end-of-life (EoL) phases, using a life cycle assessment (LCA) methodology[2].

The estimated total PCF is 42.46 kg CO_2 eq. The distribution of the carbon footprint across each phase is accounted for as follows:
Manufacturing 93.4%. Transport 4.2%. Use 3.1%. EoL -0.7%.

PCF calculation is performed on 8G+256G configuration.
The lifecycle assessment of transport and use phases is based on data from the France site.

Design and Source

We design products with sustainability and innovation at the forefront, incorporating recycled, renewable, biobased and responsibly sourced materials. Through our Full Material Disclosure (FMD) Platform, integrated in the supply chain, we proactively manage restricted chemical substances (to meet internal environmental policies and national laws) and ensure components are fully qualified before purchase.

Motorola edge 60 fusion is crafted with a range of recycled materials to reduce reliance on virgin materials, including our first integration of Lenovo closed-loop recycled plastics sourced from retired devices. Harmonizing sleek design with environmentally conscious innovation, it also features an inlay with biobased carbon content.

Recycled Aluminum[3]

Aluminum used in the middle frame is 100% recycled.

Recycled Plastic[3]

- **Rear camera bracket**: Contains 65% post-consumer recycled (PCR) plastics and 20% ocean-bound plastics (OBP)
- **Flicker bracket**, **protective case**: Contain 65% PCR plastics, 5% OBP and 5% Lenovo closed-loop recycled plastics
- **Front camera bracket**: Contains 65% PCR plastics and 5% OBP
- **SPK box**: Contains 35% PCR plastics and 5% Lenovo closed-loop recycled plastics

17% Biobased Carbon Inlay[4]

The inlay material features 17% Biobased Carbon Content – meaning that 17% of it is source from plants or animal by-products[4]. Finished in Pantone Color of the Year, PANTONE Mocha Mousse, the design balances subtle elegance and earthy refinement.

Chemical and Substance Management

As part of our global stewardship, we apply EU RoHS/REACH chemical restriction policies for all products, irrespective of where we sell them globally.

In addition to adhering to global regulatory requirements, we have voluntarily phased out the following hazardous substances across all products[5].

- Polyvinylchloride (PVC)
- Brominated Flame Retardants (BFRs)
- Chlorinated Flame Retardants (CFRs)

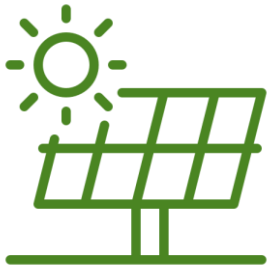
Produce

We are committed to mitigating climate change during manufacturing, by expanding the use of renewable energy and implementing initiatives to lower greenhouse gas emissions across all operations.

Our manufacturing sites in China and Brazil, where motorola edge 60 fusion is produced, continuously work on improving operational energy conservation, reducing carbon emissions, and contributing to climate change mitigation through various initiatives. These include, but are not limited to, implementing solar power stations, installing energy-efficient LED lighting, and achieving zero waste to landfill.

- Our Wuhan manufacturing facility has been utilizing solar power stations since 2019, which may achieve an estimated annual reduction of 1,182 tons in carbon emissions, based on its 2023 electricity consumption data[6].

- Our Jaguariúna and Manaus manufacturing sites in Brazil are Zero Waste certificated.



As a Lenovo subsidiary, Motorola shares the same commitment and policy to sound Environmental, Social and Governance (ESG) management across our end-to-end supply chain process.

Currently, we ask our key suppliers to report their environmental impact data (GHG emissions, water, waste, renewable energy) formally, via the RBA (Responsible Business Alliance) or the CDP (Carbon Disclosure Project) reporting methodologies, in addition to responding to the Institute of Public and Environmental Affairs (IPE).

Transport and Package

Our packaging strategy focuses on eliminating plastics, utilizing recyclable materials, and optimizing compact designs to minimize resource use and reduce environmental impact during transportation.

As for transportation, we are implementing solutions to improve fleet efficiency. This includes optimizing the loading capacity of our vehicles by increasing the use of larger trucks, enabling us to transport more phones in less trips.

Aligned with our objective to reduce single-use plastics by 50% by FY 2025/26[7] across all smartphone product packaging, we have raised the threshold to set the highest standard for the razr and edge product families: the complete elimination of plastic in their packaging starting from 2024. As part of this initiative, the motorola edge 60 fusion packaging now excludes all plastic components except where utilized within paint, inks and adhesives[8].

The virgin fiber utilized in this packaging is sourced from FSC-certified[9] forests and other controlled sources, which are managed with practices including selective logging and replanting of trees after harvesting.

Plastic-free[8]

Soy ink printing

FSC-certified[9] virgin fiber

Fully recyclable[10]

Use

We prioritize energy efficiency in our products to help reduce greenhouse gas emissions. Additionally, we focus on improving product durability and extending lifespans to enhance long-term value for our customers.

Our goal is to achieve 30% improvement in smartphone product energy efficiency by FY 2029/30[11].

We integrate innovative technologies into motorola edge 60 fusion to enhance energy efficiency without sacrificing performance. This is achieved by reducing power consumption in key hardware components and through advanced software optimization. The solutions leverage AI-driven optimization, adaptive display, connectivity controls, and context-aware background process management to extend battery life while maintaining seamless performance and visual fidelity.

Moto AI eXperience Engine (MAXE)

An AI-powered engine that detects scenarios and runtime fine-tunes system parameters at different user scenarios to provide optimal user experience in Battery Life and Performance areas.

Motorola edge 60 fusion redefines durability with Corning® Gorilla® Glass 7i, delivering 2x better drop and scratch performance for display protection.[12]
Built to meet military-grade MIL-STD 810H standards, it's protected against extreme temperatures. It also withstands up to 95% humidity, like the kind you'll find in some coastal areas.[13]
Coupled with IP68 and IP69 ratings, it offers superior protection against dust, dirt, sand, and high-pressure water. Plus, it's designed to withstand submersion in up to 1.5 meters of fresh water for 30 minutes.[14]

IP68 & IP69
protection[14]

95% Humidity
protection[13]

1.22 Meters
drop resistance[13]

-20°C ~ 60°C
operates for up to 4 hours in extreme temperatures[13]

2x Better
(display) drop and scratch performance[12]

4500 Meters
stand up to 1 hour of playtime in high-altitude adventures[13]

Recover and Recycle

We offer trade-in programs in selected markets, including the US, India and Brazil. This enables customers to exchange their old devices for credits toward new Motorola purchases, after our assessment and inspection of the old devices.

We ensure repair options are available to customers and have established Moto Care, which provides comprehensive smartphone warranty plans customized to meet customer needs. The repair submission process and availability of Moto Care may vary by region. Please visit Motorola Support and select your location for product support information, including repair options and Moto Care information.

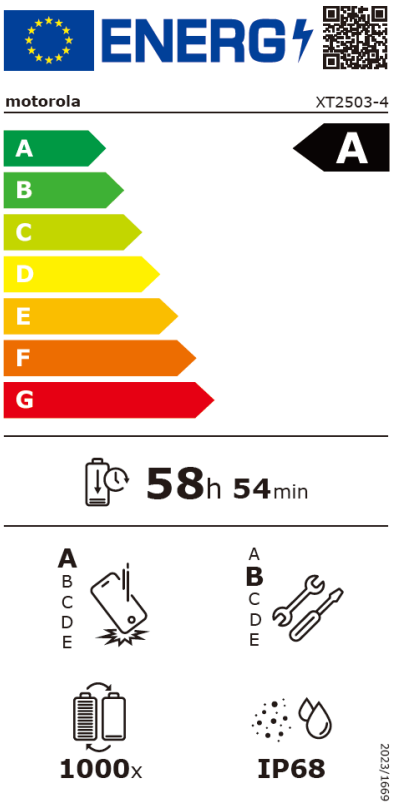
In the US, we have also established partnerships with iFixit and MobileSentrix to offer self-repair options for technically inclined users, and in EU we have partnership with Replace Base.

Industry Rating and Label

Eco Rating Result[15]

Device	motorola edge 60 fusion
Model Number	XT2503-4
RAM + Storage	8G + 256G
Eco Rating Overall Result	85
Material Efficiency Results	
Durability	88
Repairability	54
Recyclability	57
Use of Hazardous & Restricted Substances	60
Recycled Material Content	24
Waste Packaging and Accessories	70
Additional Results	
Climate Efficiency	79
Resource Efficiency	76

Product EU Energy Label[16]



Endnotes

[1] The calculation is performed on 8G+256G configuration. The product PCF is calculated using quantitative estimates and modelling assumptions. The lifecycle assessment of transport and use phases is based on data from the France site.

[2] The product lifecycle analysis (LCA) of motorola edge 60 fusion is performed in accordance with the ISO 14040 and ISO 14044 standards. The estimated carbon footprint is an approximate measure of the green-house gas emissions produced over the lifecycle of the product and is reported as the global warming potential for 100-year time horizon(GWP-100) in units of CO2 equivalents (CO2e). The product carbon footprint (PCF) is calculated using GaBi© Software version 10 including the most current 2022 updates for modelling each of the product type lifecycle steps.

[3] The content of all recycled materials have been independently verified by third parties in accordance with ISO 14021.

[4] The inlay material underwent radiocarbon (C14) testing by independent third-party laboratory. Results are reported as “% Biobased Carbon”, indicating the percentage carbon from “natural” (plant or animal by-product) sources versus “synthetic” (petrochemical) sources. Reported results are accredited to ISO/IEC 17025:2017 PJLA #59423 standards. The inlay material contains 17% Biobased Carbon Content (as a fraction of total organic carbon).

[5] Controlled at 1,000 ppm.

[6] Based on Wuhan manufacturing site’s 2023 electricity consumption data. The carbon emission factor used for the reduction calculation is based on the average carbon dioxide emission factor for electricity in the Central China region as published in the "2021 Carbon Dioxide Emission Factors for Electricity" jointly released by China's Ministry of Ecology and Environment and the National Bureau of Statistics in 2024.

[7] Performance relative to FY 2020/21. This excludes Lenovo smartphone packaging but includes RAZR smartphone packaging starting in FY 2023/24.

[8] Plastic was not detected in the packaging by third-party lab under test methods Fourier Transform Infrared Spectrometer (FTIR), Pyrolysis-Gas Chromatography Mass Spectrometry (PGC-MS) and Energy dispersive X-ray fluorescence spectrometer (EDX). Paint, inks and adhesives are excluded from the calculations of plastic content.

[9] FSC certification means materials are sourced from certified forests and other controlled sources managed with practices like selective logging, maintaining biodiversity, and replanting trees after harvesting, aligning with global forest stewardship standards of responsibly managed forests. For more information of FSC and FSC certification, visit https://fsc.org/en.

[10] Recycling programs may not be available to consumers in all markets.

[11] On average for comparable products relative to FY 2020/21.

[12] Performance of Gorilla® Glass 7i is based on lab tests under controlled conditions. Actual performance may vary based on specific use, environmental conditions, and other factors. While Gorilla® Glass 7i is designed to enhance durability and provide improved resistance to drops and scratches compared to competitive lithium aluminosilicate glass, it is not indestructible and may still suffer damage under certain conditions. Users should exercise caution and avoid subjecting their devices to unnecessary risk.

Endnotes

[13] The U.S. Department of Defense's MIL-SPEC standards establish methodologies for testing products against environmental stresses under controlled laboratory conditions. Motorola tests devices against hazardous physical and environmental conditions under select categories and procedures of the MIL-STD-810H standard to determine durability. Such testing is not a guarantee of future performance under these test conditions. The motorola edge 60 fusion was tested against 16 categories and 14 MIL-STD-810H procedures to prove its toughness. Abuse, like that contained in MIL-STD 810H testing, is not covered under Motorola's standard warranty.

[14] Tested under controlled laboratory conditions, the phone is water, splash, and dust resistant to ratings of IP68 and IP69 (IEC 60529). The phone can be submerged up to 1.5 meters in still, fresh water for up to 30 minutes, and is protected against powerful, high-temperature water jets for up to 30 seconds. Exposure to conditions beyond these ratings is not covered by warranty. Resistance will decrease as a result of normal wear. Not designed to work while submerged underwater. Do not expose to liquids other than fresh water. Do not attempt to charge a wet phone. Designed to provide protection against the ingress of solid foreign objects of any size. Not waterproof.

[15] Result applicable to European sales models XT2503-4. The Eco Rating scores the environmental performance of mobile phones based on an objective assessment of both life cycle and circular economy indicators. The highest possible Eco Rating score is 100 for maximum environmental performance. The closer the score is to 100, the better the environmental performance of the device. In addition, the Eco Rating provides guidance in five key areas: durability, repairability, recyclability, climate efficiency and resource efficiency. For more about Eco Rating and devices' Eco Rating scores, visit https://www.ecoratingdevices.com.

[16] Results shown on the energy label apply to European sales models XT2503-4 and are intended for EU customers only. Energy labelling requirements will apply to smartphones and tablets put on the EU market from 20 June 2025 onwards. Smartphones and tablets will have to display information on their energy efficiency, battery longevity, protection from dust and water and resistance to accidental drops. For more information on smartphone's EU energy label, visit https://energy-efficient-products.ec.europa.eu/product-list/smartphones-and-tablets_en#energy-label; for more detailed information on the Energy Label, visit https://energy-efficient-products.ec.europa.eu/ecodesign-and-energy-label_en.