Product Environmental Report

motorola edge 70

Product Launch Date

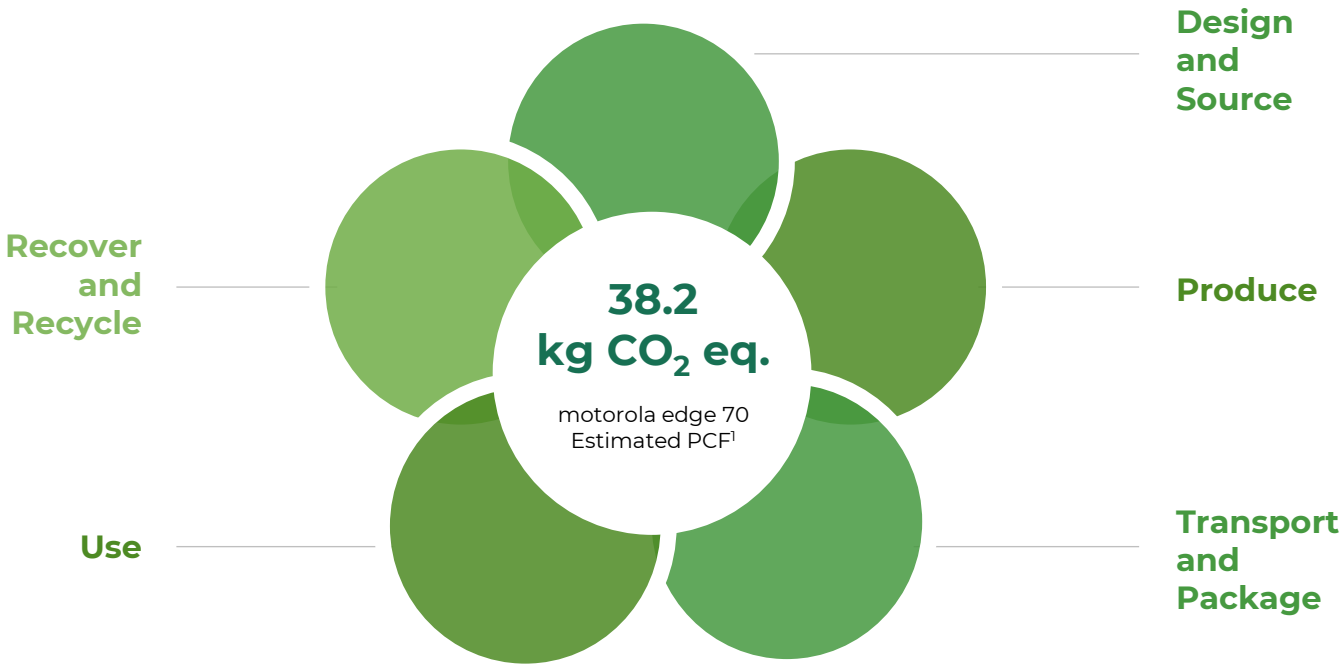
November 5, 2025

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 70'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 38.2 kg CO_2 eq. The distribution of the carbon footprint across each phase is accounted for as follows:
Manufacturing 93.5%. Transport 4.5%. Use 2.8%. EoL -0.8%.

The PCF calculation is performed on 12GB RAM +256GB storage configuration.
The PCF assessment is limited to the device only and excludes in-box accessories and packaging.
The manufacturing was modeled using China power grid mix for manufacturing of the electrical components for the Manufacturing of the PCBAs and the housing items. The use phase was assumed to take place in France.

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.

Over 20% of the plastics used in motorola edge 70 are recycled[3].

Recycled Plastics[3]

- **Top bracket, bottom bracket**: Contain 65% post-consumer recycled (PCR) plastics and 20% ocean-bound plastics (OBP)
- **Front camera bracket**: Contains 65% PCR plastics and 5% OBP

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[4].

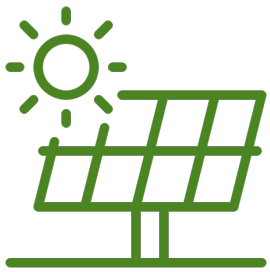
- Polyvinylchloride (PVC)
- Brominated Flame Retardants (BFRs)
- Chlorinated Flame Retardants (CFRs)

Produce

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

Our manufacturing sites 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 970 tons in carbon emissions, based on its 2024 electricity consumption data[5].
- 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. Lenovo's supply base is comprised of the following categories: internal manufacturing centers, production procurement, original design manufacturers (ODM), and general procurement.

Lenovo manages suppliers' environmental performance through requirements in the Supplier Code of Conduct, Responsible Business Alliance (RBA) assessments, CDP Supply Chain Program, and other programs that support its material environmental topics – specifically climate change, water, and waste.

Package and Transport

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

For transportation, we are trying to adopt low-carbon solutions—such as sea freight where feasible—which offer lower emissions compared to road and air freight.

Aligned with our objective to reduce single-use plastics by 50% by FY 2025/26[6] 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 commencing December 2024. As part of this initiative, the motorola edge 70 packaging now excludes all plastic components[7].

The fiber utilized in this packaging is sourced from responsibly managed forests and other controlled sources, which are managed with practices including selective logging and replanting of trees after harvesting.

Plastic-free[7]

Soy ink printing

Sourced from responsibly managed forests

Fully recyclable[8]

The packaging features described above apply to products sold outside of India. Packaging for the Indian market may differ and may not include the same environmental attributes.

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[9].

We integrate innovative technologies into motorola edge 70 to enhance energy efficiency and extend battery life without sacrificing performance. This is achieved by reducing power consumption in key hardware components and through advanced software optimization.

Silicon-Carbon Battery

Enjoy both unbelievable battery life and an ultrathin profile. Revolutionary silicon-carbon battery technology enables the slim design without compromising battery life or performance. It increases device runtime and reduces charging frequency.

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.

Motorola edge 70 features the highest-rated durability features, offering the highest level of water and dust protection ever achieved on a smartphone with IP68 and IP69 certification[12], combined with military-grade durability (MIL-STD 810H)[11].

It also helps protect your display with 2x better drop and scratch performance thanks to Corning® Gorilla® Glass 7i.[10]

IP68 & IP69 protection[12]	**95% Humidity** protection[11]	**1.2 Meters** drop resistance[11]
-20°C ~ 60°C operates for up to 4 hours in extreme temperatures[11]	**2x Better** (display) drop and scratch performance[10]	**4500 Meters** stand up to 1 hour of playtime in high-altitude adventures[11]

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.

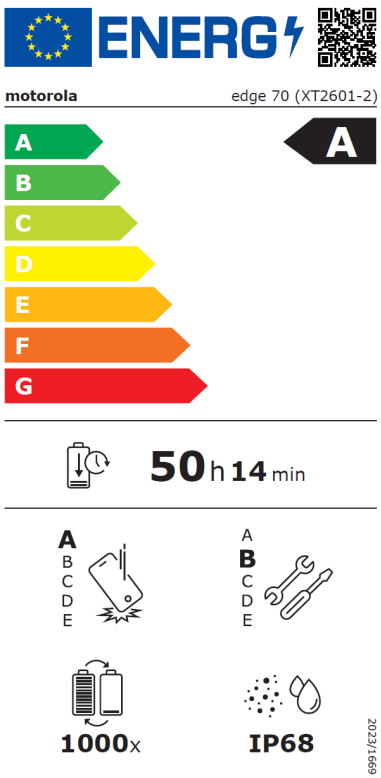
In the US, we have also established partnerships with iFixit and MobileSentrix to offer self-repair options for technically inclined users, and in EU we have partnership with Replace Base.

Industry Rating and Label

Eco Rating Result[13]

Device	motorola edge 70
Model Number	XT2601-2
RAM + Storage	12G + 256G
Eco Rating Overall Result	84
Material Efficiency Results	
Durability	78
Repairability	61
Recyclability	57
Use of Hazardous & Restricted Substances	60
Recycled Material Content	24
Waste Packaging and Accessories	64
Additional Results	
Climate Efficiency	72
Resource Efficiency	80

Product EU Energy Label[14]



Endnotes

[1] The product PCF is calculated using quantitative estimates and modelling assumptions. For detailed PCF report of motorola edge 70, visit https://en-us.support.motorola.com/app/answers/detail/a_id/179267.

[2] The product lifecycle analysis (LCA) of motorola edge 70 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, and was measured on a weight basis.

[4] Controlled at 1,000 parts per million (ppm).

[5] Based on Wuhan manufacturing site's 2024 electricity consumption data. The carbon emission factor used for the reduction calculation is based on the average carbon dioxide emission factor for electricity in Hubei Province as published in the "2022 Carbon Dioxide Emission Factors for Electricity" jointly released by China's Ministry of Ecology and Environment and the National Bureau of Statistics in December 2024.

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

[7] 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 in accordance with EU Directive 2019/904.

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

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

[10] 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.

[11] 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 70 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.

[12] 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.

Endnotes

[13] Result applicable to European sales models XT2601-2. 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.

[14] Results shown on the energy label apply to European sales models XT2601-2 and are intended for EU customers only. Energy labelling requirements came into effect to smartphones and tablets put on the EU market from 20 June 2025 onwards. Smartphones and tablets should display information on their energy efficiency class, battery endurance per cycle and in cycles, repeated free fall reliability class, repairability class, and ingress protection rating. For more detailed information on the Energy Label, visit https://energy-efficient-products.ec.europa.eu/ecodesign-and-energy-label_en.