



Product Environmental Report

iPhone 14 Pro

December 2022

Made with better materials

100% 100%

Recycled gold in the wire of cameras and recycled copper in the printed circuit boards

Energy efficient

46%

Energy consumption in the U.S. is 46% lower than the energy consumption of the iPhone 13 Pro

Responsible packaging

100% 95%

100% of wood fiber comes from recycled paper

95% of the packaging is made from recycled paper

Tackling climate change

100%

We committed to joining our net-zero emissions by 2030

Smarter chemistry

- nickel
- copper
- chromium
- cadmium
- lead
- mercury

Apple Trade In

Round up your trade-in value

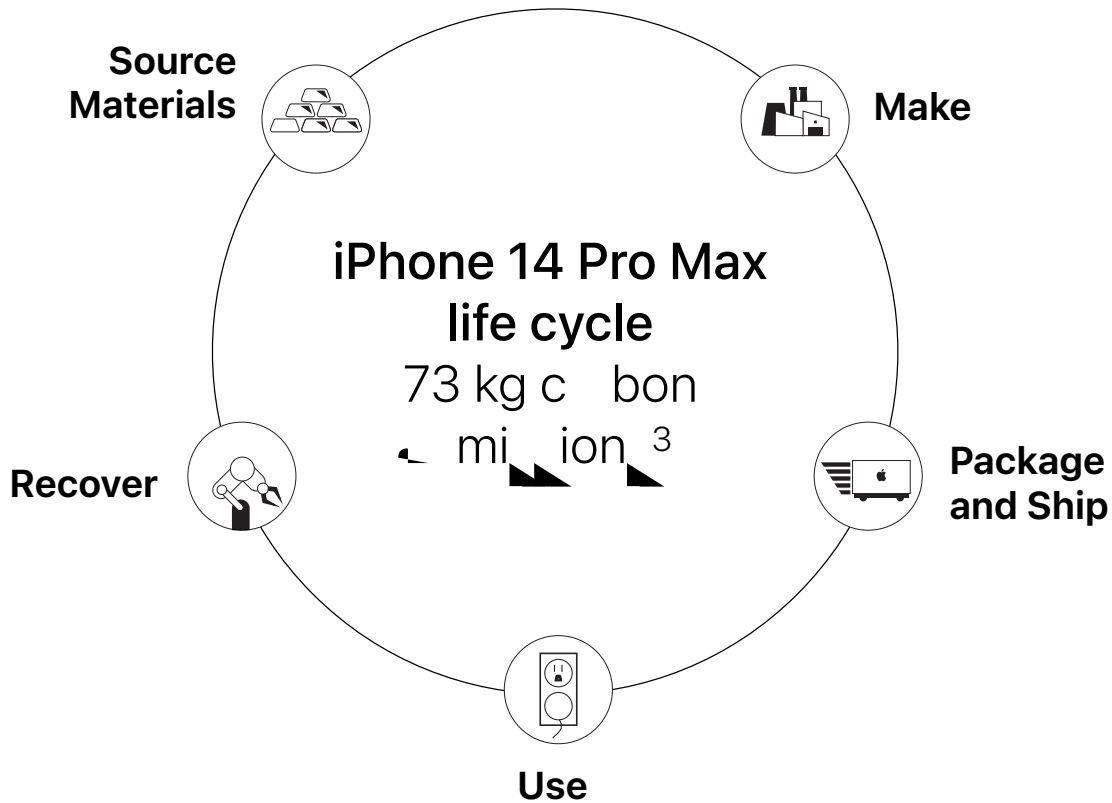
100% recycled gold in the wire of all cameras and in the plating of multiple printed circuit boards



Taking responsibility for our products at every stage

We take responsibility for our products throughout their lifecycle—including the materials we use, the way we make them, how we package and ship them, and how we focus on recovering them. We work on making big differences for our products by reducing our impact on climate change, including our own carbon footprint.

We sell millions of products. So making even small adjustments can have a meaningful impact.



Carbon footprint

We continue to work on reducing our carbon footprint by focusing on making our products more efficient, using renewable energy, and using recycled materials. Our supply chain is also working on reducing its carbon footprint. The carbon footprint of the iPhone 14 Pro Max is 73 kg carbon emissions per million units. This includes the carbon footprint of the iPhone 14 Pro Max and its packaging, as well as the carbon footprint of the iPhone 14 Pro Max during its use. We are committed to reducing our carbon footprint and are working on making our products more sustainable.

iPhone 14 Pro Max life cycle carbon emissions

- 70 Production
- 4 Distribution
- 17 Use
- 1 End-of-life recycling



Source Materials

The world of consumer electronics is a complex and dynamic one.

Our company is committed to working with the world's leading manufacturers and suppliers to ensure that our products are made from the highest quality materials. We are committed to responsible sourcing of materials, and we are committed to reducing our carbon footprint. We are committed to using renewable energy and to reducing our waste. We are committed to using recycled materials and to reducing our packaging. We are committed to using sustainable practices and to reducing our environmental impact.



Rare earth elements

We use 1% of the world's supply of rare earth elements in our products. We are committed to responsible sourcing of rare earth elements and to reducing our carbon footprint.



Tungsten

We use 1% of the world's supply of tungsten in our products. We are committed to responsible sourcing of tungsten and to reducing our carbon footprint.



Tin

We use 1% of the world's supply of tin in our products. We are committed to responsible sourcing of tin and to reducing our carbon footprint.



Plastic

We use 1% of the world's supply of plastic in our products. We are committed to responsible sourcing of plastic and to reducing our carbon footprint.



Gold

We use 1% of the world's supply of gold in our products. We are committed to responsible sourcing of gold and to reducing our carbon footprint.

Smarter chemistry

In 2014, we introduced a new line of products that are made from smarter chemistry. These products are made from recycled materials and are designed to be more durable and longer-lasting. We are committed to responsible sourcing of materials and to reducing our carbon footprint.





Make

Apple's Supplier Code of Conduct is designed to ensure the production of our products in a way that respects the environment. It is a key part of our commitment to responsible manufacturing and is based on the United Nations Global Compact.

Working with our suppliers to reduce the environmental impact of our products is a key part of our commitment to responsible manufacturing. We work with our suppliers to ensure that they are using sustainable materials and processes. This includes working with our suppliers to reduce their carbon footprint, improve their energy efficiency, and reduce their waste. We also work with our suppliers to ensure that they are using sustainable labor practices and are not using child labor or forced labor. We are committed to working with our suppliers to create a more sustainable and responsible supply chain.

Greener chemicals

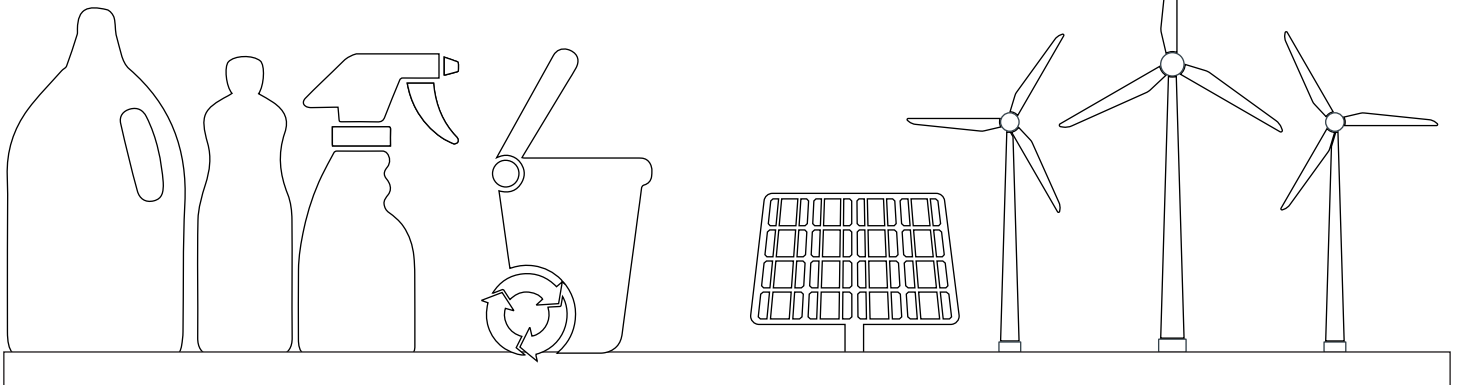
Apple is committed to using safer chemicals in our products. We have implemented a process to identify and eliminate hazardous chemicals from our products. This process involves working with our suppliers to identify and eliminate hazardous chemicals from their products. We have also implemented a process to identify and eliminate hazardous chemicals from our manufacturing processes. This process involves working with our manufacturers to identify and eliminate hazardous chemicals from their processes. We are committed to working with our suppliers and manufacturers to create a safer and more sustainable supply chain.

Zero Waste to Landfill

Apple is committed to achieving zero waste to landfill. We have implemented a process to identify and eliminate waste from our products and manufacturing processes. This process involves working with our suppliers and manufacturers to identify and eliminate waste from their products and processes. We have also implemented a process to identify and eliminate waste from our manufacturing processes. This process involves working with our manufacturers to identify and eliminate waste from their processes. We are committed to working with our suppliers and manufacturers to create a more sustainable and responsible supply chain.

Supplier energy use

Apple is committed to reducing the energy use of our suppliers. We have implemented a process to identify and reduce the energy use of our suppliers. This process involves working with our suppliers to identify and reduce their energy use. We have also implemented a process to identify and reduce the energy use of our manufacturing processes. This process involves working with our manufacturers to identify and reduce their energy use. We are committed to working with our suppliers and manufacturers to create a more sustainable and responsible supply chain.





Package and Ship

iPhone 14 Pro Max packaging is made from 100% recycled cardboard and 100% recycled paper. The packaging is made from 100% recycled cardboard and 100% recycled paper.

iPhone 14 Pro Max packaging is made from 100% recycled cardboard and 100% recycled paper. The packaging is made from 100% recycled cardboard and 100% recycled paper.

95%

of iPhone 14 Pro Max packaging is made from 100% recycled cardboard and 100% recycled paper.

75%

of iPhone 14 Pro Max packaging is made from 100% recycled cardboard and 100% recycled paper.

100%

of iPhone 14 Pro Max packaging is made from 100% recycled cardboard and 100% recycled paper.





Use

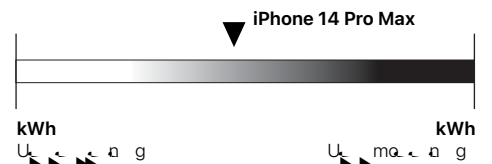
iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.¹²

With 100% recycled aluminum and glass, iPhone 14 Pro is made with 100% recycled materials. With the new Energy Efficient Charging, iPhone 14 Pro can charge up to 50% faster than previous models. And with the new 5-core A16 Bionic chip, iPhone 14 Pro is designed to last longer. And with the new 5-core A16 Bionic chip, iPhone 14 Pro is designed to last longer.

Energy efficiency

As of October 2022, iPhone 14 Pro is the most energy-efficient smartphone in the world, according to the U.S. Department of Energy's Energy Conservation Standards. iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.¹²

U.S. Department of Energy standard



Designed to last

iPhone 14 Pro features a Ceramic Shield front cover, which is the most durable smartphone glass ever. And with the new 5-core A16 Bionic chip, iPhone 14 Pro is designed to last longer.¹³

Made with smarter chemistry

With 100% recycled aluminum and glass, iPhone 14 Pro is made with 100% recycled materials. And with the new 5-core A16 Bionic chip, iPhone 14 Pro is designed to last longer.



Recover

Run our product recovery and innovation program to help you recover your products.

We're proud to be a leader in product recovery and innovation. Our goal is to help you recover your products and reduce your environmental footprint. We're committed to making our products more sustainable and reducing our carbon footprint. We're committed to making our products more sustainable and reducing our carbon footprint.

iPhone recycling

We're proud to be a leader in product recovery and innovation. Our goal is to help you recover your products and reduce your environmental footprint. We're committed to making our products more sustainable and reducing our carbon footprint. We're committed to making our products more sustainable and reducing our carbon footprint.

[See Dave in action](#)



Definitions

Bio-based plastics: io-b d, ic m d f om bio gic ou c n f om fo i-fu ou c io-b d, ic ow u o duc i nc on fo i fu .

Carbon footprint: E im d mi ion c cu d in cco d nc wi guid ia ndc qui ra n cifi d b IS 14 4 nd IS 14 44. i in n unc in in mod ing c bor mi ion du s im i o d imi ion . o c q con o n con ibu o a c bor mi ion s dd i unc in b d q ing d i d, oc -b d n ion r n mod wi s cific, ra o e m in ing r n af s c bon foo, in w on indu e g d nd um ion . C cu ion incud e mi ion fo e fo owing if c e s con ibu ing o Gob W ming a ni GW 1 e) in C e qui e nc f c o e)

Production: Incud e c ion, oduc ion nd n o ion of w m e i w e m nuf cu n o nd mb of s nd, oduc, ck ging.

Transport: Incud i nd e n o ion of e fini e d, oduc nd i oci e d, ck ging f om m nuf c u ing i o gion di ibu ion ub n o of, oduc f om di ibu ion ub e nd cu ora i mod e du ing e g di nc b d on e gion g og s .

Use: s e ura e -o fou e i od fo s ow u b fi owa b e don e s oduc e . oduc u c n io e b e don i o ic cu ora u d fo imi s oduc . Ea g u i imu e d in iou w fo e m e b mod ing

d i b e d in o oug e fo ming c i ki ik mo i nd mu ic, b ck. G og s ic diff e nc in e s ow g id mi e b n ccour d fo e gion e e .

End-of-life processing: Incud n o ion f om ca c ion ub o c c ing c r nd e e a g u d in ra c nic s ion nd e dding of, o ma info m ion on e c bon foo, in i s e .com/ n ion r n / n w

Recycled materials: R c cing m k b e u of fini e ou c b ou cing f om e co e d e n mia d m e i . R c e d cor n c im fo m e i u d in ou s oduc e b n e i d b n ind e nd n i d, o e c e d cor n nd d confo m o IS 14 21.

Renewable materials: W d fia bio-m e i o c n b e g a e d in um n if n ik s e fib o ug c a . io-m e i c n e s u u d f w fini e ou c . u e n oug bio-m e i e e bi i o g ow e e no w m n g d e on ib . R a w l e m e i e e of bio-m e i m n g d in w e n l e con inuou s oduc ion wi ou d e ing e e ' e ou c . - ' w w focu on ou c e c i fi d fo e i m n g r n s , c ic .

Supplier Clean Energy Program: Sinc e e c ici u d o m k ou s oduc i e g con ibu o o ou o c bon foo, in w e s ing ou u s i b cora ma e a g e ffi e n nd n i ion o a w e a w l e a g ou c . W e commi e d o n i ioning ou e n i m nuf c u ing u s c in o 1 e c n e a w l e e c ici b 2 3 .

Endnotes

¹ s e ' R gu e d Sub nc S e cific ion d c ib s e ' e ic ion on e u of c in e mic ub nc in m e i in s s oduc c c o i m nuf c u ing, oc e nd, ck ging u d fo i s ing, oduc o s e nd-cu ora . R ic ion e d i e d f om ir n ion w o d i c k e gu o g n e i e co b e qui ra n e n ion r n nd d nd s s o i e i . E s of bio-m e i m n g d in w e n l e con inuou s oduc ion wi ou d e ing e e ' e ou c . - ' w w focu on ou c e c i fi d fo e i m n g r n s , c ic .

² i o n 14 o c i e d God ing in e Un e d S e nd C n d in cco d nc wi IEEE 108 .1 o U 11 nd i e d u c on e E c onic oduc En ion r n e e ra n o o (E E) R g j . E E e g e con u d i s nd mobi s o a b e d o r n i on r n e qui ra n in e e nd d . o ma info m ion i i www . e .

³ G e n ou g e mi ion w e c cu e du ing if c e e ra n r a o do og in cco d nc wi IS 14 4 nd 14 44 nd d nd b e d on i o a 14 o nd d configu ion wi 128G o g .

| Carbon footprint | | |
|------------------|-------------------|-------------------|
| | iPhone 14 Pro Max | iPhone 13 Pro Max |
| 128G | 73 kg C e | 74 kg C e |
| 256G | 81 kg C e | 81 kg C e |
| 512G | 93 kg C e | 93 kg C e |
| 1TB | 124 kg C e | 117 kg C e |

Endnotes

- 4) i o a 13 o w u d fo com i on i mo c n e e d nd imi d ic . e s , oduc ion i o a 14 o wi 128G o g w com e d o i s , ingi o a 13 o wi 128G o g configu ion inc e e e wo ow o g configu ion off e d.
- 5) W m s m e i in ou u s c in nd, ub i i of id n i d in n um ung e n nd god (G) cob nd i um r e nd c fia in ou u s c in . i d s r e n e k o confi m ou cing , c ic nd e s of ou e on i la ou cing , og m. In ddi ion ou e ffo con id b o d ng of i k including oci e n ion r e n um n ig nd go n n e i k .
- 6) C e mic r e G e n S e n b n c m k 3 o 4 o o e qui e n r e o do ogi i k U.S. E S f C oic e con id e d f nd e f e d fo u . G e n S e n i com e n i e d e r e n o o e u e ub n c g in 18 diff e n c i i . o m e info m ion i i www.glenncemicrog.com.
- 7) e b i e d fin e mb u s i i o o e b e n s e u s i fo m e n o a e - fo i o a 14 o i d s e i d e o W e b U C U 27 S nd d). U e qui e e c n d e ion ou g r e od o e n w e a g o c i e o W e o nd fi e e c n God e c n nd inum 1 e c n) d ign ion .
- 8) e d on e i s ck ging i e d b .
- 9) R e on i la ou cing of wood fib i d fia d in . S u in l e i b S e cific ion. W con id wood fib o incud b mboo.
- 10) o m e info m ion bou ou wok o s e c nd e e e on i b m n g d fa e e d ou [En ion r e n og R , o](#) .
- 11) e k down of U.S. i s ck ging b w ig . S e c non s ic non-fib m e i e cud d.
- 12) Effici n e fo m n e i b e d on e U.S. D , r e n of Ea g e d [Ea g Con ion S nd d fo C g](#) e e n e ENERGY S R do n o c if m s o a d ic .
- Ea g e ffici n e m e a g e ffici n e u e b e d on e fo owing condi ion .
- o w d e no-o d Condi ion in w ic e s e 2 WUS -C ow d e wi e US -C o ig ning C l e (m) i con a e d e C s ow bu no con a e d o i o a .
- o w d e ffici n e g of e s e 2 WUS -C ow d e wi e US -C o ig ning C l e (m) r e d ffici n e w e e d 1 e c n 7 e c n nd 2 e c n of e s ow d e e d ou , u cu e n .

| Power consumption for iPhone 14 Pro Max | | | |
|---|------|------|------|
| Mode | 100V | 115V | 230V |
| o w d e no-o d | . 4W | . 4W | . W |
| o w d e ffici n e | 80.8 | 87.9 | 87.8 |

- 13) i o a 14 o e w e nd du e i n nd w e e d und con a d bo o condi ion wi ing of I 8 und IEC nd d o 2 m imum d s of o r e u o 3 minu). S w e nd du e i n e no e m a n condi ion nd e i n e mig d e e u of no m w . Do no e m o c g w i o a e f o e u e guid fo e ning nd d ing in u cion . iquid d m g no co e d und w n .
- 14) d -in u e b e d on e condi ion e nd configu ion of ou d -in d ic nd m o b w e n on i e nd in - a d -in. You mu b e 18 e o d. In - a d -in qui e e n ion of id go n r e n i u d s o ID o c w m e qui e ing i info m ion). ddi ion e m f o m s e o s e e d -in , a m s s .

© 2 22 s e Inc. ig e e d s e e o g e s e W c C mic S i d Hor e od i d i d S i o a . c e . c o g o m c S i c Engia S nd w c S e d m k of s e Inc. e g e e d in e U.S. nd o e coun i nd e gion . i o a 14 o i d m k of s e Inc. s e i e m k of s e Inc. e g e e d in e U.S. nd o e coun i nd e gion . I S i d m k o e g e e d d m k of C i co in e U.S. nd o e coun i nd i u e d und ic n e . ENERGY S R nd e ENERGY S R m k e e g e e d d m k o w a d b e U.S. En ion r e n e c ion g n e . e s oduc nd com n n r e n i o a d e e in m b d m k of e i e e c k com r i e .