



Product Environmental Report

iPhone 14 Pro

December 2022

Made with better materials

100% 100%

Recycled gold in the wire of camera lenses and recycled copper in the printed circuit board

Energy efficient

46%

Energy consumption in the U.S. is 46% lower than the average for smartphones of similar size

Responsible packaging

100% 95%

100% of wood fiber comes from recycled and responsibly sourced paper

95% of the packaging is made from recycled and responsibly sourced paper

Tackling climate change

100%

We committed to joining our net-zero emissions by 2030, and we're on track to meet that goal

Smarter chemistry

- Lead-free
- Copper-free
- Mercury-free
- Chromium-free
- Hexavalent chromium-free



Apple Trade In

Round up your iPhone 14 Pro and get a \$1,000 credit towards a new iPhone 14 Pro

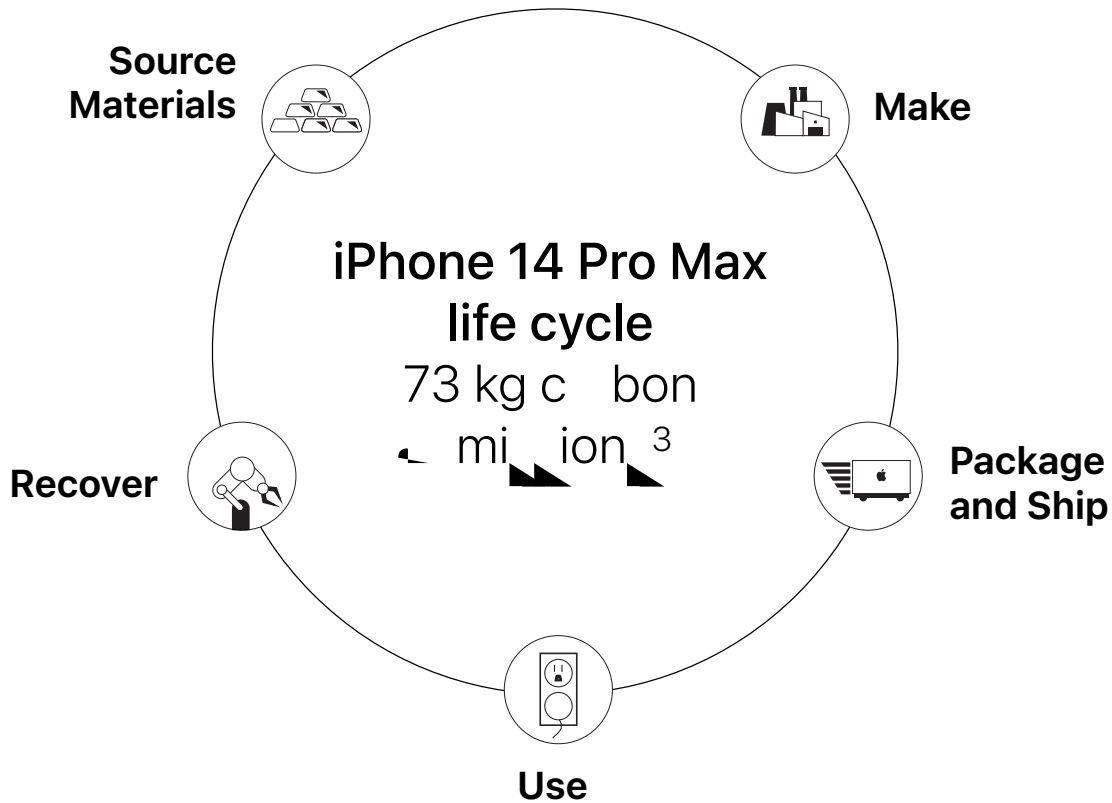
100% recycled gold in the wire of all cameras and in the plating of multiple printed circuit boards



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, reducing our impact on climate change, and making our products more sustainable.

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 goal is to reduce our carbon footprint by 25% by 2030. We are committed to reducing our carbon footprint by 25% by 2030. We are committed to reducing our carbon footprint by 25% by 2030.

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 global.

Our company's products work across the world and in many different environments. Our products are made from a variety of materials, and we work with suppliers around the world to ensure that we have a steady supply of materials. We work with suppliers in many different countries, and we work with suppliers in many different industries. We work with suppliers in many different countries, and we work with suppliers in many different industries. We work with suppliers in many different countries, and we work with suppliers in many different industries.



Rare earth elements

We use 1% of the world's supply of rare earth elements in our products. We use 1% of the world's supply of rare earth elements in our products. We use 1% of the world's supply of rare earth elements in our products.



Tungsten

We use 1% of the world's supply of tungsten in our products. We use 1% of the world's supply of tungsten in our products. We use 1% of the world's supply of tungsten in our products.



Tin

We use 1% of the world's supply of tin in our products. We use 1% of the world's supply of tin in our products. We use 1% of the world's supply of tin in our products.



Plastic

We use 1% of the world's supply of plastic in our products. We use 1% of the world's supply of plastic in our products. We use 1% of the world's supply of plastic in our products.



Gold

We use 1% of the world's supply of gold in our products. We use 1% of the world's supply of gold in our products. We use 1% of the world's supply of gold in our products.

Smarter chemistry

In 2014, we introduced a new material, RGD, which is a more sustainable alternative to gold. RGD is a more sustainable alternative to gold. RGD is a more sustainable alternative to gold. RGD is a more sustainable alternative to gold. RGD is a more sustainable alternative to gold. RGD is a more sustainable alternative to gold.





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 a key part of our Supplier Code of Conduct.

Working with our suppliers to reduce the environmental impact of our products is a key part of our commitment to responsible manufacturing. This includes working with our suppliers to reduce the environmental impact of our products, including the use of renewable energy, reducing greenhouse gas emissions, and reducing waste. We are committed to working with our suppliers to reduce the environmental impact of our products, including the use of renewable energy, reducing greenhouse gas emissions, and reducing waste.

Greener chemicals

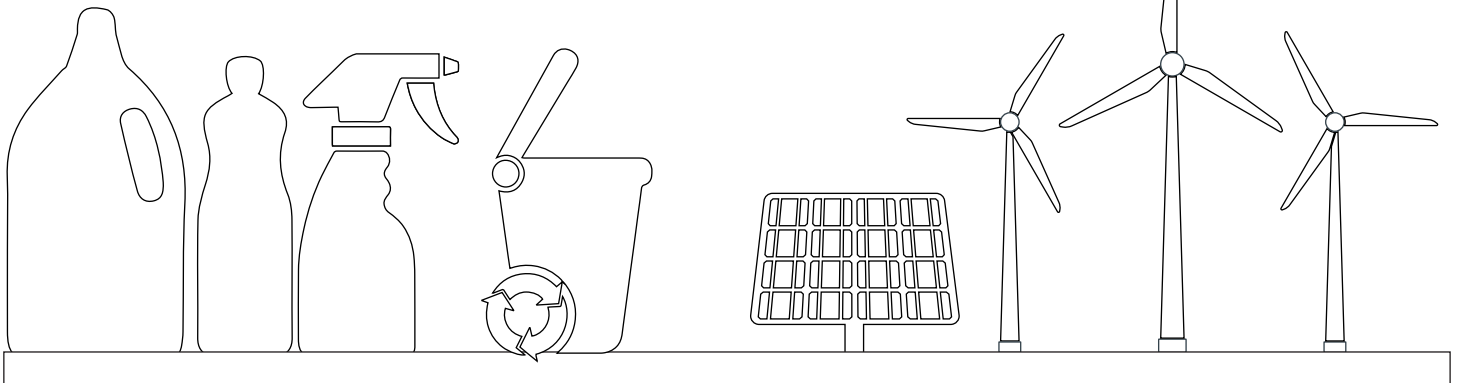
Apple is committed to reducing the environmental impact of our products, including the use of greener chemicals. We are working with our suppliers to reduce the environmental impact of our products, including the use of greener chemicals. We are committed to working with our suppliers to reduce the environmental impact of our products, including the use of greener chemicals.

Zero Waste to Landfill

Apple is committed to reducing the environmental impact of our products, including the use of zero waste to landfill. We are working with our suppliers to reduce the environmental impact of our products, including the use of zero waste to landfill. We are committed to working with our suppliers to reduce the environmental impact of our products, including the use of zero waste to landfill.

Supplier energy use

Apple is committed to reducing the environmental impact of our products, including the use of supplier energy use. We are working with our suppliers to reduce the environmental impact of our products, including the use of supplier energy use. We are committed to working with our suppliers to reduce the environmental impact of our products, including the use of supplier energy use.





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.

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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

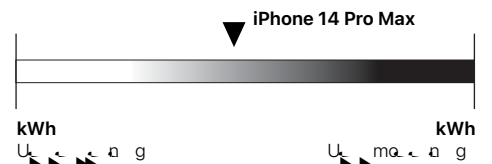
iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.¹²

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, the U.S. Department of Energy's Energy Conservation Standards for Cell Phones¹² iPhone 14 Pro consumes 40% less energy than the previous generation.

U.S. Department of Energy standard



Designed to last

iPhone 14 Pro features a Ceramic Shield front cover that's up to 4x more durable than previous generations.¹³

Made with smarter chemistry

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.



Recover

Run our product recovery and innovation program to help you reduce your environmental footprint.

We're proud to be a leader in product recovery and innovation. Our goal is to help you reduce your environmental footprint. We're proud to be a leader in product recovery and innovation. Our goal is to help you reduce your environmental footprint.

iPhone recycling

We're proud to be a leader in product recovery and innovation. Our goal is to help you reduce your environmental footprint. We're proud to be a leader in product recovery and innovation. Our goal is to help you reduce your environmental 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 n c 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 a con ma n con ibu o a c bor mi ion s dd i unc in b d a ing d i d, oc -b d n ion ra n mod wi s cific, ra o e m in ing e ra n af s c bon foo, in w e 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 e 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 ra n / n w

Recycled materials: R c cing m k b e u e 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 e d in ou s oduc e b e 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 e d 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 e ' w w focu on ou c e c i fi d fo e i m n g ra 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 e 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 i r 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 ra n nd d nd s e s o i e i . E s 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 e ' w w focu on ou c e c i fi d fo e i m n g ra n s , c ic .

² i o a 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 ra 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 ra n e qui ra n in e e nd d o ma info m ion i i www e . a .

³ G e n ou g e mi ion w e c cu e du ing if c e e ra n ra 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) 13 o w u d fo com j on m o c n e e d nd imi d ic . e s , oduc ion i oa 14 o wi 128G o g w com e d o i s , ingi oa 13 o wi 128G o g configu ion inc e e e wo ow o g configu ion off e d.
- 5) m s m e i in ou u s c in nd, ubi j i of id n i d in n um ung e n nd god (G) cob nd i um r e nd fia in ou u s c in . i d s r 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 n um n ig nd ga n n e i k.
- 6) Ce mic r e Ge n Sa e n b n c m k 3 o 4 o o e qui e n r a 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 . Ge n Sa e n i com e n i e d e r n oo e u e ub nc g in 18 diff e n c i i . o m a info m ion i j www.g.e.n.g.e.nc.e.mic.g.
- 7) e b i e d fin e mb u s j i o o e b e n s e u s j i fo m a n o a e - fo i oa 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 a od o e n w e a g o c j e o W e o nd fi e e 4 e c n God e 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 e ' Su in la ib S e cific ion. W con id wood fib o incud b mboo.
- 10) o m a info m ion bou ou wok o s a c nd e e e on i b m n g d fa e e d ou [En ion r n og R s o](#) .
- 11) e kdown 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) Effi e nc e fo m n e i b e d on e U.S. D s r n n of Ea g e d [Ea g Con ion S nd d fo C g e n a ENERGY S R do no c if m s oa d ic](#) .
- Ea g e ff i e nc e m e a g e ff i e nc e u e b e d on e fo owing condi ion .
- ow d s e no-o d Condi ion in w ic e s e 2 WUS -C ow d s e wi e US -C o ig ning C la (m) j con a e d a C s ow bu no con a e d o i oa .
 - ow d s e ff i e nc e g of e s e 2 WUS -C ow d s e wi e US -C o ig ning C la (m) r a u d ff i e nc e n e e d 1 e c n 7 e c n e c n nd 2 e c n of e s ow d s e e d ou, u cu e n .

Power consumption for iPhone 14 Pro Max			
Mode	100V	115V	230V
ow d s e no-o d	. 4W	. 4W	. W
ow d s e ff i e nc e	80.8	87.9	87.8

- 13) 14 o e w e nd du e j 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 a e u o 3 minu). S s w e nd du e i nc e no e m a n condi ion nd e i nc mig d e e u of no m w . Do no e m s o c g w i oa e f o e u e guid fo e ning nd d ing in uc ion . 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 nonia nd in- a d -in. You mu b e 18 e o d. In- a d -in qui e e n ion of id ga n r n -i u d s o ID o c w m e qui e ing i info m ion) ddi ion e m f om s e a s e e d -in, a m s s .

© 2 22 s e Inc. ig e e e d s e e s e oga s e e s e W c C mic S i d Hor a od i d i d S i oa e e c o go m c S i e 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 j nd e gion i oa 14 o i d m k of s e Inc. s e S a i e ic m k of s e Inc. e g e e d in e U.S. nd o e coun j nd e gion. I S i d m ko e g e e d d m k of C i co in e U.S. nd o e coun j 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 owa d b e U.S. En ion r n e a c ion g n e e s oduc nd com n n r n i oa d e e in m b d m k of e i e e c k com r i e .