



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 responsibly managed forests

95% of recycled fiber-based duct tape is made from recycled materials

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 iPhone 14 Pro and get a \$100 credit towards a new iPhone 14 Pro

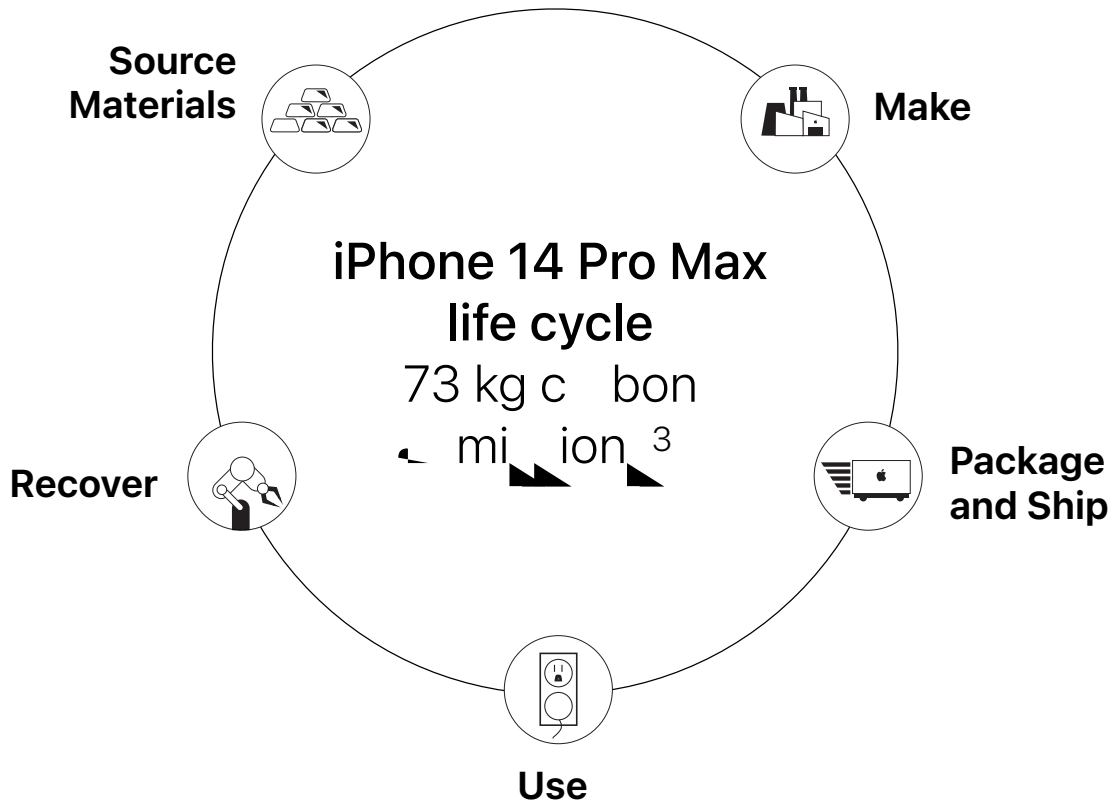
100% recycled gold in the wire of all cameras and in the plating of multiple printed circuit boards



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 by reducing our impact on climate change, including our use of materials.

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



Carbon footprint

We continue to make progress in reducing our carbon footprint—by focusing on making more efficient products, with a wider range of materials and with a wider range. Sustainability of our products is a key focus for us. Sustainability of our products is a key focus for us. Sustainability of our products is a key focus for us.

iPhone 14 Pro Max life cycle carbon emissions

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



Source Materials

We will of course be mindful of our carbon footprint.

Our commitment to responsible sourcing is a key part of our product life cycle. We work with leading suppliers to ensure that the materials we use are sourced responsibly. We are committed to reducing our carbon footprint and are working with our suppliers to reduce their emissions. We are also committed to using recycled materials wherever possible. We are proud to be a responsible company and we are committed to being a responsible partner to our customers.



Rare earth elements

We use 1% of the world's supply of rare earth elements in our magnets. We are committed to responsible sourcing and are working with our suppliers to reduce their emissions. We are also committed to using recycled materials wherever possible.



Tungsten

We use 1% of the world's supply of tungsten in our magnets. We are committed to responsible sourcing and are working with our suppliers to reduce their emissions. We are also committed to using recycled materials wherever possible.



Tin

We use 1% of the world's supply of tin in our solder. We are committed to responsible sourcing and are working with our suppliers to reduce their emissions. We are also committed to using recycled materials wherever possible.



Plastic

We use 1% of the world's supply of plastic in our packaging. We are committed to responsible sourcing and are working with our suppliers to reduce their emissions. We are also committed to using recycled materials wherever possible.



Gold

We use 1% of the world's supply of gold in our solder. We are committed to responsible sourcing and are working with our suppliers to reduce their emissions. We are also committed to using recycled materials wherever possible.

Smarter chemistry

We are committed to using smarter chemistry to reduce our carbon footprint. We are working with our suppliers to reduce their emissions and are committed to using recycled materials wherever possible. We are also committed to using responsible sourcing practices and are working with our suppliers to reduce their emissions. We are proud to be a responsible company and we are committed to being a responsible partner to our customers.





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 our Code of Ethics.

We work with our suppliers to identify and work to reduce the environmental impact of our products. This includes the use of renewable energy, the use of recycled materials, and the use of responsible sourcing practices. We also work to ensure that our suppliers are using responsible manufacturing practices, including the use of responsible sourcing practices, the use of recycled materials, and the use of renewable energy.

Greener chemicals

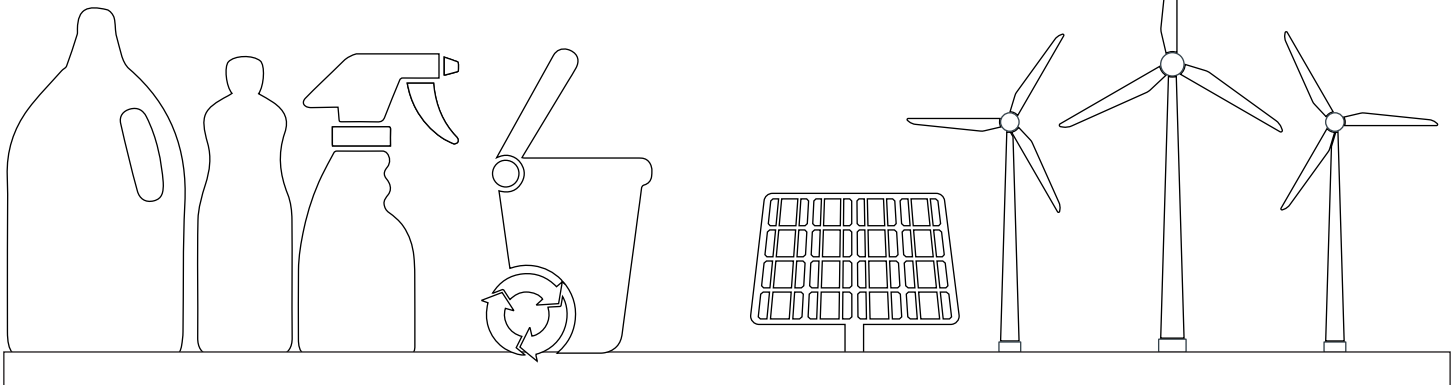
Apple is committed to reducing the environmental impact of the chemicals used in our products. We are working with our suppliers to identify and use greener chemicals, including those that are biodegradable, non-toxic, and made from renewable resources. We are also working to ensure that our suppliers are using responsible manufacturing practices, including the use of responsible sourcing practices, the use of recycled materials, and the use of renewable energy.

Zero Waste to Landfill

Apple is committed to reducing the environmental impact of our products. We are working with our suppliers to identify and use zero waste to landfill materials, including those that are biodegradable, non-toxic, and made from renewable resources. We are also working to ensure that our suppliers are using responsible manufacturing practices, including the use of responsible sourcing practices, the use of recycled materials, and the use of renewable energy.

Supplier energy use

Apple is committed to reducing the environmental impact of our products. We are working with our suppliers to identify and use renewable energy, including solar, wind, and hydro. We are also working to ensure that our suppliers are using responsible manufacturing practices, including the use of responsible sourcing practices, the use of recycled materials, and the use of renewable energy.





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

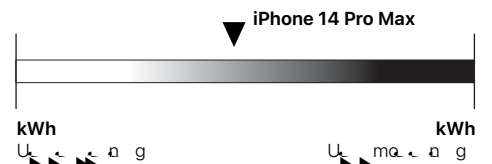
iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.¹²

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, the U.S. Department of Energy's Energy Conservation Standards for Cell Phones¹² iPhone 14 Pro consumes 40% less energy during charging and 12% less energy during use.

U.S. Department of Energy standard



Designed to last

iPhone 14 Pro features a Ceramic Shield front cover that's up to 90% more durable than previous iPhone models.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 recover your products and reduce their environmental impact.

We're committed to reducing the environmental impact of our products. We've introduced a new product recovery program that allows you to return your old products to us for recycling. This program is designed to help you reduce your carbon footprint and improve your sustainability performance. We're also working on new technologies that will help us recover more materials from our products, reducing the need for virgin materials and further reducing our environmental impact.

iPhone recycling

With our new iPhone recycling program, you can now recycle your old iPhone at any of our retail stores. We'll take your old iPhone and recycle it into new products, reducing the need for virgin materials and further reducing our environmental impact.

[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 a com o 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 r n mod wi s cific, ra o e m ining 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 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 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 e ' 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 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 r 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 r n e e ra n o o (E E) R g j . E E e g e com 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 . a .

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) 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 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 ik 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.n.g.e.nc.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 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 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 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 on i la ou cing of wood fib i d fia d in . S u in l a i b 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 on i b m n g d fa 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, 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 l a 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 l a 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 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 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 n on i a 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 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 o w a d b e U.S. En ion r n e c ion g n e e s oduc nd com n n r a r n i o a d e e in m b d m k of e i e e c k com r i e .