



# Product Environmental Report

— 4 (design) with Siri Remote

Designed in California  
Released February 22, 2022

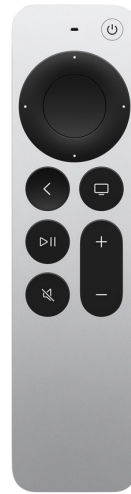
## Made with better materials

**80%**

recycled aluminum  
in the design  
remote module

**100%**

recycled in in-  
house production  
of the Siri Remote



## Tackling climate change

**100%**

We committed to joining our  
manufacturing footprint  
in 2025.

## Energy efficient

**79%**

Energy Star certified  
ENERGY STAR design  
efficiency

## Smarter chemistry<sup>1</sup>

- Lead-free
- Mercury-free
- Cadmium-free
- Hexavalent chromium-free

## Responsible packaging

**100%**

of the wood fiber  
content is recycled  
and sourced

**90%**

of the  
packaging  
fiber is made from  
recycled and  
sustainable

## Apple Trade In

Round trip  
trade-in  
service

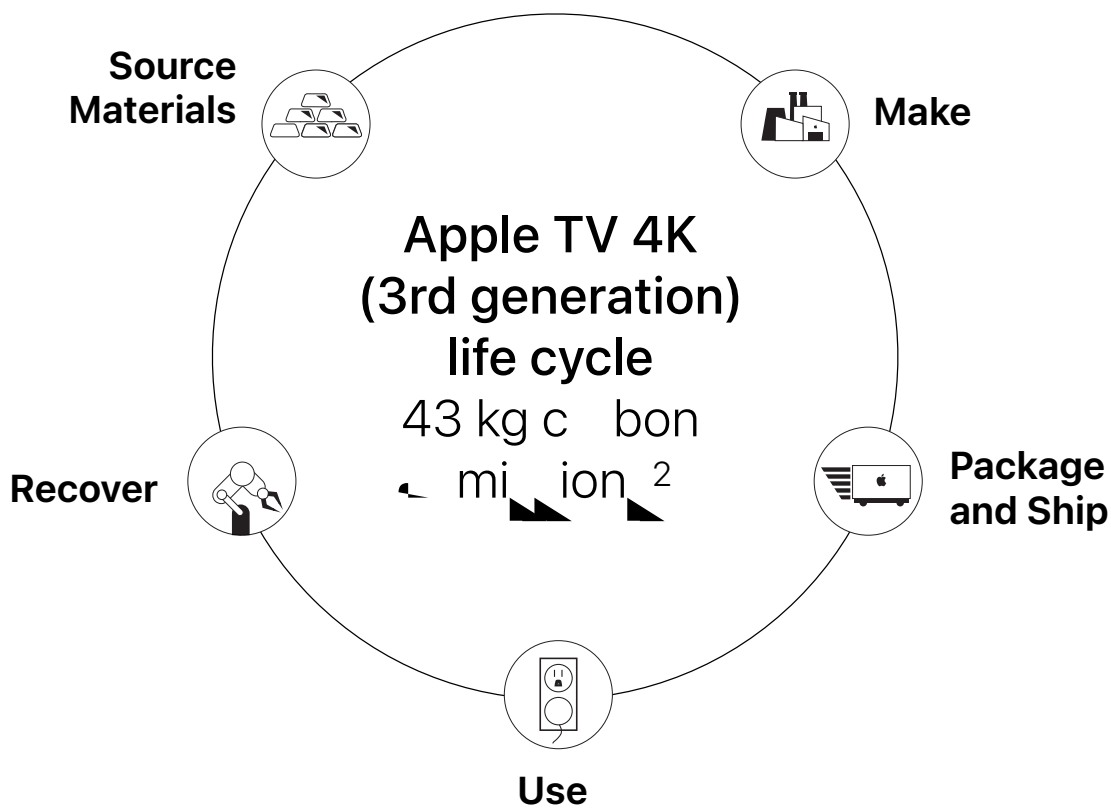
## Now with recycled gold—a first for Apple TV 4K



# 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, improving our products, and making them better.

**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 our products more efficient, using renewable energy, and working with our suppliers to reduce their carbon footprint. We are committed to reducing our carbon footprint by 20% by 2020, and we are working to reduce our carbon footprint by 50% by 2030. We are committed to reducing our carbon footprint by 50% by 2030.

## Apple TV 4K (3rd generation) life cycle carbon emissions

- 0.2 Production
- 1.1 Distribution
- 37 Use
- 1.1 End-of-life recycling

# Source Materials



— 4 8 dg a ion) wi Si i R ma con in c e d uminum god, ic nd in.

o con e im o n e ou c w wok o duc e m e i w u nd im o o d ou c on e c e d o e a w l e m e i in ou, oduc nd w m k i n i on w e m in commi d o e e on ila ou cing of, im m e i . W m, m n m e i o m o e mia ou c nd b j e i e nd d fo ra e nd e fia — 4 e qui 1 e c n of id n i fi d in n um ung e n god cob nd i um ra e nd e fia o, i c j e in i d, u di . 4 W e, oud o b e cogni d wo dwid e d in e e on ila ou cing of mia in ou, oduc . u, oduc d ign o con id e f of o e w o m k u nd e c e o u, oduc e ic ing e u of und d of mfu ub nc . u nd d gob ond w ' e qui d b w o, e c e e nd e e n i on r a n .



**Aluminum**

— 4 8 dg a ion) / e m mod e con in 8 e c n e c e d uminum nd e e n c o u of Si i R ma con in 1 e c n c i fi d e c e d uminum.



**Gold**

— 4 8 dg a ion) / e m mod e con in 8 e c n e c e d uminum nd e e n c o u of Si i R ma con in 1 e c n c i fi d e c e d uminum.



**Plastic**

W e n i n i oning f om fo i fu b e d, ic o o m d f om e a w l e o e c e d ou c . o — 4 8 dg a ion) wi Si i R ma n i a, ic com o a n con in 3 e c n o m a e c e d cor n .



**Tin**

— 4 8 dg a ion) / e m mod e con in 8 e c n e c e d uminum nd e e n c o u of Si i R ma con in 1 e c n c i fi d e c e d uminum.



## Smarter chemistry

— 4 8 dg a ion) i f e of mfu ub nc ik b ium b o m i n e d f ra e d n C, e nd ra cu 1 nd 1 e c n of e m e i in — 4 8 dg a ion) e c e d b ou R gu e d Sub nc S e cific ion.



# Make

Apple's Supplier Code of Conduct is designed to ensure the production of our products in a way that respects the environment and the well-being of our suppliers' employees and the communities in which they live and work.

We work with our suppliers to identify and work to reduce the environmental impact of our products. Our suppliers are required to follow the principles of the Supplier Code of Conduct, which includes the following requirements:

## Greener chemicals

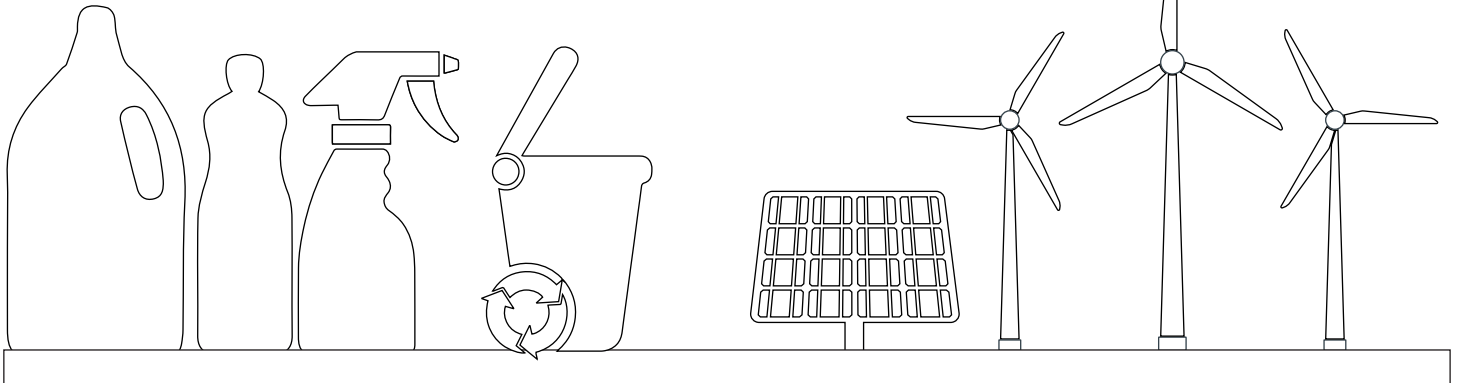
Apple is committed to reducing the use of hazardous chemicals in our products. We are working with our suppliers to identify and eliminate the use of hazardous chemicals in our products. We are also working with our suppliers to identify and eliminate the use of hazardous chemicals in our products.

## Zero Waste to Landfill

Apple is committed to reducing the amount of waste that goes to landfill. We are working with our suppliers to identify and eliminate the use of hazardous chemicals in our products. We are also working with our suppliers to identify and eliminate the use of hazardous chemicals in our products.

## Supplier energy use

Apple is committed to reducing the amount of energy used by our suppliers. We are working with our suppliers to identify and eliminate the use of hazardous chemicals in our products. We are also working with our suppliers to identify and eliminate the use of hazardous chemicals in our products.





# Package and Ship

Apple TV 4K (3rd generation) packaging does not use any plastic with the exception of the outer cardboard sleeve. The sleeve is made from 100% recycled cardboard.

Apple TV 4K (3rd generation) packaging is made from 100% recycled cardboard. The sleeve is made from 100% recycled cardboard. The sleeve is made from 100% recycled cardboard.

**90%**

of the weight of the packaging is made from recycled cardboard.

**39%**

of the weight of the packaging is made from recycled cardboard.

**100%**

of the weight of the packaging is made from recycled cardboard.





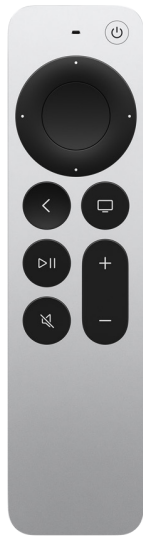
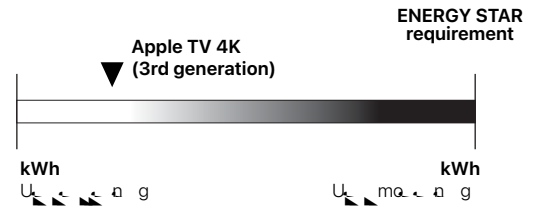
# Use

Apple TV 4K (3rd generation) uses 70% less energy than the previous generation. It's designed to last.

With its energy-efficient design and low-power components, Apple TV 4K (3rd generation) uses 70% less energy than the previous generation. It's designed to last. With its energy-efficient design and low-power components, Apple TV 4K (3rd generation) uses 70% less energy than the previous generation. It's designed to last.

## Energy consumption of ENERGY STAR-rated products

Apple TV 4K (3rd generation) uses 70% less energy than the previous generation. It's designed to last.



## Designed to last

Apple TV 4K (3rd generation) is designed to last. It's built with high-quality components and a durable design.

## Made with smarter chemistry

Apple TV 4K (3rd generation) is made with smarter chemistry. It's built with high-quality components and a durable design.



# Recover

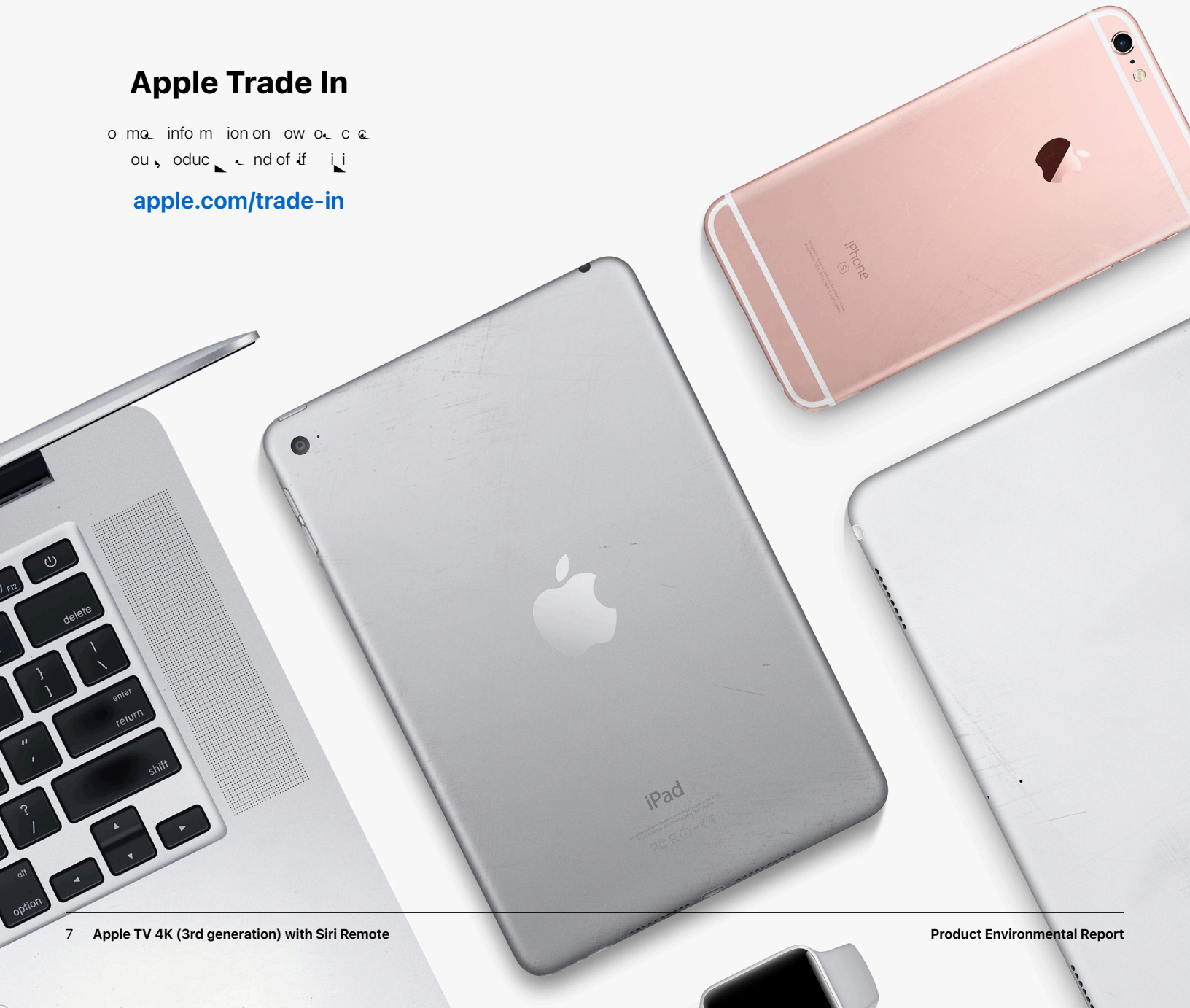
Run our product recovery and innovation efforts.

We're working to reduce our carbon footprint and improve our energy efficiency. We're also working to reduce our water usage and improve our waste management. We're committed to reducing our environmental impact and improving our sustainability performance. We're working to reduce our carbon footprint and improve our energy efficiency. We're also working to reduce our water usage and improve our waste management. We're committed to reducing our environmental impact and improving our sustainability performance.

## Apple Trade In

Learn more information on how we can help you trade in your old devices.

[apple.com/trade-in](http://apple.com/trade-in)



# Definitions

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

d i b e d in o ou g e fo ming c i i i k mo j nd mu ic, b ck.G og s ic d i f e n c in e s ow g id mi e b e n c cour d fo e gion e e .

**Carbon footprint:** E im e d m i ion e c cu e d in cco d nc wi guid ia nd e qui ra n e c i f i d b IS 14 4 nd IS 14 44. e e i in e n unc in in mod ing c bor m i ion du s im i o d i m i ion o e q con s on n con ibu o a s s e ' c bor m i ion s s e d d e i unc in b d e q ing d i d s oc b e d n i on r a n mod wi s s e e c i f i c s r a e o e e m in ing e r a n o f s s e ' c bonfoo s in w e on indu e g d nd um i ion. C cu ion in c u d e m i ion fo e fo owing i f c e s e con ibu ing o Gob W ming a n i GW 1 e ) in C e qui e n c f c o ( e )

**End-of-life processing:** In c u d n e o ion f om c a c i o n u b a c c i n g c r a n d e e a g u d in r a c n i c s s ion nd e d d i n g o f s o m a i n f o m i o n o n e c bonfoo s in i i s s e . c o n a / n i o n r a n / n w

**Recycled materials:** R c c i n g m k b e u e of fin i e ou c b ou c i n g f o m e c a e d e n m i a d m e i . R c e d c o r n c i m f o m e i u e d in o u s o d u c e b e n e i f i d b n i n d e n d n i d s o e c e d c o r n n d d c o n f o m o i s 14 21.

**Renewable materials:** W d f i a bio-m e i o e c n b e g a e d i n u m n i f s n i k s e fib o u g c a . i o-m e i c n e s u u e f w fin i e ou c . u e n ou g bio-m e i e e b i i o e g o w e n o w m n g d e o n i b . R a w l a m e i e n e of bio-m e i m n g d i n w e n l a c o n i n o u s o d u c i o n w i o u d s e i n g e e ' e ou c e ' w w f o c u s o n o u c e c i f i d f o e i m n g r a n s c i c

**Supplier Clean Energy Program:** S i n c e e e c i c i u d o m k o u s o d u c i e g c o n i b u o o o u a c bonfoo s in w l e s i n g o u u s d i b c o r a m a e a g e f f i a i n n d n i o n o a w e a w l a e a g o u c . W l c o m m i d o n i j o n i n g o u e n i m n u f c u i n g u s c i n o 1 e c n e a w l e e c i c i b 2 3 .

- Production:** In c u d e e c i o n s o d u c i o n n d n e o i o n o f w m e i w e m n u f c u e n e o n d e m b o f s n d s o d u c s c k i n g .
- Transport:** In c u d i n d e n e o i o n o f e fin i e d s o d u c n d i o c i e d s c k i n g f o m m n u f c u i n g i o e g i o n d i i b u i o n u b . n e o o f s o d u c f o m d i i b u i o n u b a n d c u o r a i m o d e d u i n g e g d i n c b e d o n e g i o n g o g s .
- Use:** s s e u m e e - o f o u e e i o d f o s o w u e b f i o w a b e d o n e s o d u c e . o d u c u e c n i o e b e d o n i o i c c u o r a u e d f o i m i s o d u c . E a g u e i i m u e d i n i o u w f o e m e b m o d i n g

# Endnotes

<sup>1</sup> s s e ' R g u e d S u b n c S e c i f i c i o n d e i b s s e ' e i c i o n o n e u e o f c i n e m i c u b n c i n m e i i n s s e s o d u c c c o u j m n u f c u i n g s o c e n d s c k i n g u d f o i s i n g s o d u c o s s e ' e n d - c u o r a . R i c i o n e d i k d f o m i r a n i o n w o d e c k e g u o g n a i e c o - b e q u i r a n e n i o n r a n n d d n d s s e s o i a i . E e s s e s o d u c i f e o f C n d s e e c s f o C s o w c o d i n I n d i i n d f o 2 s o n g C s o w c o d ) n d S o u s a w e e w c o n i n u o e k g a e n r a n s s o f o o u C n d s e e s c r a n s s e s o d u c c o m s w i e E u a e n U n i o n D e c i k 2 1 1 / E U n d i r a n d r a n i n c l u d i n g e m i o n f o e u e o k d u c i g e m e u o d . s s e i w o k i n g o s e o u e u e o f e e e m e d u b n c f o a w s o d u c w e e c n i c s o i l a .

<sup>2</sup> G e n o u g e m i o n w e c c u e d u i n g i f c e e r a n r a o d o o g i n c c o d n c w i IS 14 4 n d 14 44 n d d n d b e d o n s s e - 4 e d g a i o n ) n d d c o n f i g u i o n w i e 4 G o g . W o f n u d e o u c b o n m o d a e g a w i n f o m i o n e u o u e i m e f o e c b o n f o o s i n o f e s e i o u g a i o n s s e - 4 w i S i r m a e n d g a i o n ) w i e 4 G o g c o n f i g u i o n - d a e d f o m e 2 k g C 2 e u b i e d i n i o d u c E n i o n r a n R s o ) o e 1 k g C 2 .

Carbon footprint		
	Apple TV 4K (3rd generation) with Siri Remote	Apple TV 4K (2nd generation) with Siri Remote
e4G	43 kg C e	e1 kg C e
128G	4e kg C e	N/



# Endnotes

3. Apple TV 4K (2nd generation) with Siri Remote power consumption and energy efficiency information. See the EnergyGuide for the Apple TV 4K (2nd generation) with Siri Remote and the EnergyGuide for the Apple TV 4K (3rd generation) with Siri Remote.
4. Maximum power consumption and energy efficiency information for the Apple TV 4K (3rd generation) with Siri Remote. See the EnergyGuide for the Apple TV 4K (3rd generation) with Siri Remote for more information.
5. Maximum power consumption and energy efficiency information for the Apple TV 4K (3rd generation) with Siri Remote. See the EnergyGuide for the Apple TV 4K (3rd generation) with Siri Remote for more information.
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12. Maximum power consumption and energy efficiency information for the Apple TV 4K (3rd generation) with Siri Remote. See the EnergyGuide for the Apple TV 4K (3rd generation) with Siri Remote for more information.

Power consumption for Apple TV 4K (3rd generation) with Siri Remote			
Mode	100V	115V	230V
Standby	0.48W	0.49W	0.48W
Streaming 4K	2.3W	2.3W	2.3W
Streaming 4K HDR	2.3W	2.31W	2.4W
Power Supply Efficiency	88.1	88.3	87.9

12. Maximum power consumption and energy efficiency information for the Apple TV 4K (3rd generation) with Siri Remote. See the EnergyGuide for the Apple TV 4K (3rd generation) with Siri Remote for more information.

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