



Product Environmental Report

(independent verification)

Direct product
cycle 18 to 22

Made with better materials

100% 100%

Recycled aluminum in the enclosure
Recycled content in the enclosure and idiogram

Energy efficient

56%

Energy consumption
ENERGY STAR rating
Efficient quiet



Tackling climate change

100%

We committed to net zero emissions
Manufacturing carbon footprint
Carbon footprint

Smarter chemistry¹

- Nickel die
- Copper
- Ominidirectional
- C-lead
- Titanium

Responsible packaging

100% 97%

of the wood fiber content
of the packaging fiber-based to work to the packaging

Apple Trade In

Return old device
Trade In and we'll give it
away or recycle it for free

Enclosure made with 100% recycled aluminum

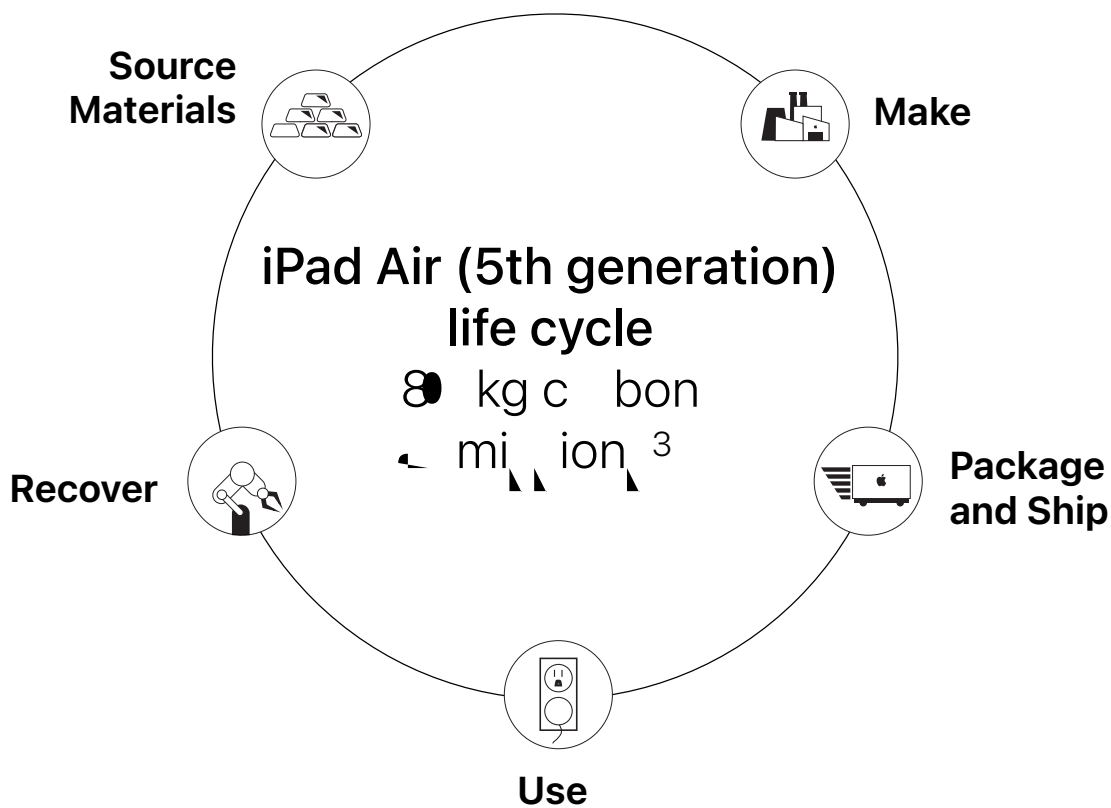
1. Includes direct content of product enclosure (product configuration based on U.S. configuration of independent verification).



Taking responsibility for our products at every stage

We take responsibility for our products throughout their lifecycle—including the materials we use, the manufacturing process, packaging, and distribution. And we focus on the areas where we can make the biggest difference for our customers, including our impact on climate change, reducing our carbon footprint, and using recycled 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 contribution to climate change—by focusing on making a greener product with a lower carbon footprint and with a lower carbon footprint. In addition, we have a goal to reduce our Scope 1 and 2 carbon footprint by 25% by 2025. We are committed to using carbon footprint data to identify opportunities to decrease our carbon footprint.

iPad Air (5th generation) life cycle carbon emissions

- 70% Production
- 7% Distribution
- 14% Use
- 1% End-of-life recycling



Source Materials

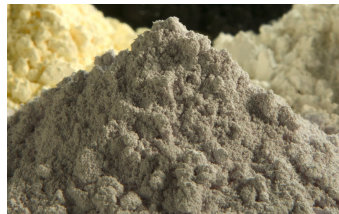
...ncou of i d i (t, g n tion) i m d wit 100
...c e d uminum.

...o con... im o t n t e ou c w wo k to e d u c t e m a t i w u k n d i m t o a d
...ou c o n e c e d o e a w l e m a t i i n o u o d u c t n d w m k t i t n i t i o n
...w e m i n c o m m i t t e d t o t e e o n i l a o u c i n g o f i m m a t i . W m m n m a t i
...o m a t o t e m i n a o u c n d t b i t e t i a t t t n d d f o r a t n d e f i a .
...e e o e q u i 100 w e c n t o f i d n t i f i d t i n t n t u m t u n g a t n g o d c o b t n d i t i u m
...r a t n d e f i a t o t i c i a t i n t i d e t u d i t . W e o u d t o b e c o g n i d
...w o d w i d e d i n t e e o n i l a o u c i n g o f m i n a i n o u o d u c t . u o d u c t d i g n
...o c o n i d t e a f t o f t a e w o m k u k n d e c e o u o d u c t e t i c t i n g t e u k
...o f u n d d o f m f u u b t n c . u t n d d g o b o n d w t e q u i d b w t o a t c t
...w a e n d t e p i o n r a n t .



Aluminum

...e e a t d n u m i n u m o
...m d o f 100 w e c n t e c i f i d
...c e d u m i n u m w i c w
...u k f o t e n c o u o f t e
...i d i (t, g n t i o n) s i j
...o d j e t e r a t n g t
...d u b i t n d f w a f i n i
...w i t o u t m i n i n g n a w b u i t
...u m i n u m a) f o m t e e t .



Rare earth elements

W u k 100 w e c n t e c e d
...e e t e e r a n t i n t e
...n c o u n d u d i o m g a t
...e e p n t i n g 100 w e c n t o f t e
...t o t e e t e e r a n t
...i n t e d i c .



Plastic

W e t n i t i o n i n g f o m f o i
...f u b e d e t i c t o t a e
...m d f o m e a w l e o
...c e d o u c . o i d i
...t, g n t i o n) w u k
...3 w e c n t o m a e c e d
...t i c i n f i c o m o n t .



Tin

W u k 100 w e c n t e c e d
...t i n i n t e o d o f t e m i n
...o g i c b o d .

Smarter chemistry

i d i (t, g n t i o n) i k e o f m f u u b t n c i k b i u m b o m i n a t d f r a
...e t d n t . C a t a t e n i c i n t e d i g n d r a c u 1 n d 100 w e c n t o f t e
...m a t i i n i d i (t, g n t i o n) e c o e d b o u R g u a t d S u b t n c S e c i f i c t i o n .
W g o b o n d w t e q u i d b i m i n g t o u n d t n d t e n o n e g u a t d u b t n c i a
...t o f e o d u c t r a f f o t t e q u i n i n d u t e d i n g e o f t n e n c t o u g
...t e n t i u a c i n . W c o n j u t n t i d n t i f t e m k u o f 7 w e c n t b m o f
...i d d i c .





Make

Supplier Code of Conduct, that is intended for the production of goods in our supply chain that will be used. For the work you will be forming in our coding that is intended to be used by our Code.

We work with our suppliers to provide the best work we can do with dignity and respect and to ensure that our products are made in a way that is safe and secure. We are committed to our suppliers and to the environment. We are committed to our suppliers and to the environment. We are committed to our suppliers and to the environment.

Greener chemicals

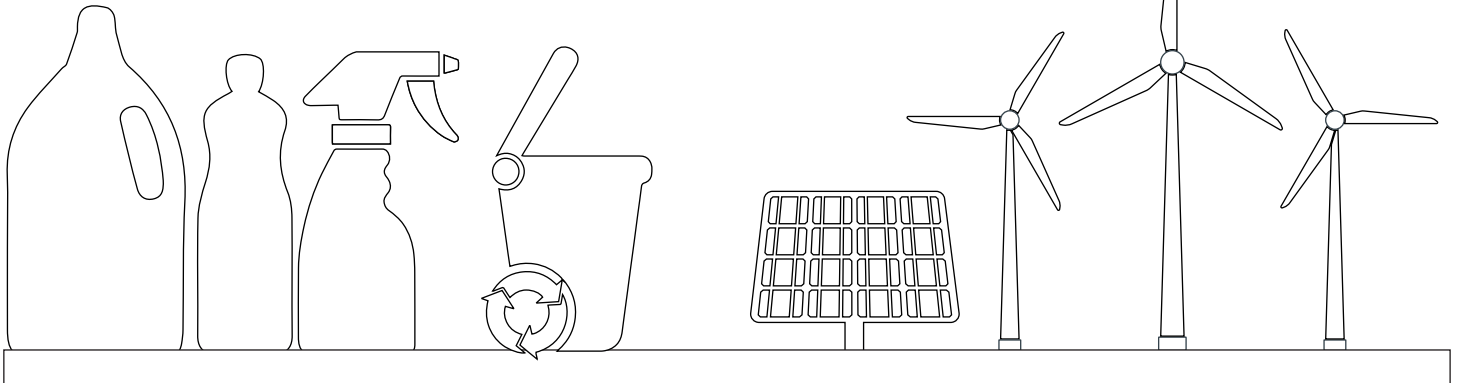
... (text is mirrored and mostly illegible)

Zero Waste to Landfill

... (text is mirrored and mostly illegible)

Supplier energy use

... (text is mirrored and mostly illegible)





Package and Ship

in addition, packaging is made with 100% recycled cardboard and 100% recycled wood fiber.

Our packaging works to minimize the impact of the cardboard and the packaging of the wood fiber in our packaging. It is a closed loop from our packaging manufacturing and waste at the end of the packaging manufacturing to the virgin wood fiber we use in our packaging. In addition, we work to ensure that our packaging continues to be used if you want.

97%

of the packaging is fiber-based due to our work to use recycled content in packaging

36%

recycled content in fiber packaging

100%

of the virgin wood fiber in the packaging comes from our manufacturing





Recover

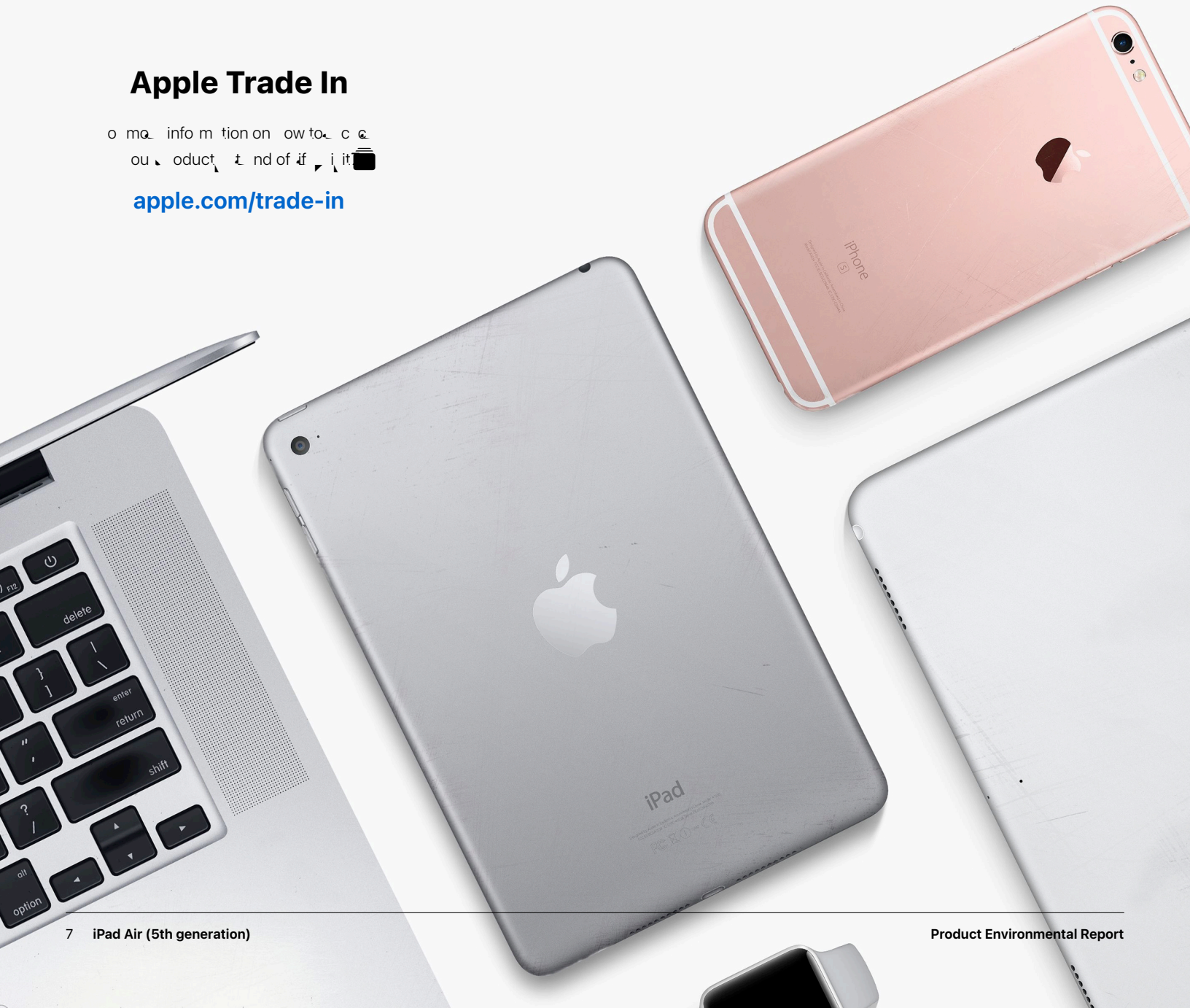
Return your product with us and In-Store when you're ready to upgrade. We'll take care of it for free.

We're proud to be a leader in recycling. Our products are made from recycled materials, and we're committed to reducing our carbon footprint. We're also committed to using recycled materials in our packaging. We're proud to be a leader in recycling. Our products are made from recycled materials, and we're committed to reducing our carbon footprint. We're also committed to using recycled materials in our packaging.

Apple Trade In

Go to apple.com/trade-in for more information on how to trade in your old product and get credit for your new one.

apple.com/trade-in



Definitions

Bio-based plastics: io-b e d e t i c e m d f o m b i o g i c o u c t e t n f o m f o i - f u o u c . i o - b e d e t i c o w u t o e d u c e i n c o n f o i f u .

Carbon footprint: E t i m e d m i j i o n e c c u e d i n c o d n e w i t g u i d i a n d e q u i r a n t u c i f i d b I S 1 4 4 n d I S 1 4 4 4 . e e i i n c e n t u n c t i n t i n m o d i n g c b o r a m i j i o n d u s i m i t o d t i m i t t i o n . o t e t a c o m o a n t c o n t i b u t o t a e e i c b o r a m i j i o n e d d e t i j u n c t i n t b d e a i n g d t i d e o c b e d p i o n r a n t m o d w i t e e e c i f i c a r a t o t e e m i n i n g e r a n t o f e e c b o n f o o t i n t w e o n i n d u t e g d t n d u m t i o n . C e u t i o n i n c u d e m i j i o n f o t e f o w i n g i f c e e t e c o n t i b u t i n g t o G o b W m i n g a t n t i e W 1 0 e) i n C e q u e n c f c t o e e)

Production: I n c u d t e t c t i o n a d u c t i o n n d t n o t t i o n o f w m e t i w t e m n u f c t u t n o t n d e m b o f a t n d e o d u c t c k g i n g .

Transport: I n c u d i n d e t n o t t i o n o f t e f i n i e d e o d u c t n d i t o c i e d e c k g i n g f o m m n u f c t u i n g i t t o e g i o n d i t i b u t i o n u b . e n o t o f o d u c t f o m d i t i b u t i o n u b t e n d c u t o r a i m o d e d u i n g e g d i t n e b e d o n e g i o n g o g .

Use: e e e u m t e e o f o u e w i o d f o w u b f i t o w a b e d o n e o d u c t t e . o d u c t u c n i o e b e d o n i t o i c c u t o r a u e d t f o i m i o d u c t . 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

d i b t t d i n o t o u g e f o m i n g c t j i t i i k m p a j n d m u i c a b c k . G o g u c i d i f e n c i n t e o w g i d m i e b e n c c o u r t d f o t e g i o n e e .

End-of-life processing: I n c u d t n o t t i o n f o m c a c t i o n u b t o e c i n g c r a t n d t e e a g u e d i n r a c n i c e s t i o n n d e d d i n g o f t o m a e i n f o m t i o n o n t e c b o n f o o t i n t i t . . c o n a / p i o n r a n t / n w

Recycled materials: R e c c i n g m k b t t u e o f f i n i t e o u e b o u c i n g f o m e c p e d t e t n m i a d m e t i . R e d c o r a n t e c i m f o m e t i u e d i n o u e o d u c t e b e n e i d d b n i n d e n d n t t i d e t t o e c e d c o r a n t t n d d t t c o n f o m t o I S 1 4 2 1 .

Renewable materials: W d f i a b i o - m e t i t o e t t e n b e g a e d i n u m n i f n i k e w f i b o u g c a . i o - m e t i c n e u u e f w f i n i t e o u e . u t e n t o u g b i o - m e t i e t e b i t t o e g o w t e e n o t w m n g d e o n i b . R a w b e m e t i e t e o f b i o - m e t i m n g d i n w t t e n b e c o n t i n u o u a d u c t i o n w i t o u t d e e t i n g t e e t t e o u e . t w w f o c u o n o u e t t e c t i d i d f o t e i m n g r a n t e c t i c .

Supplier Clean Energy Program: S i n c t e e c t i c i t u e d t o m k o u e o d u c t i t e g t c o n t i b u t o t o u e c b o n f o o t i n t w e e i n g o u u u i b c o r a m e a g e f f i c i n t n d t n i t i o n t o a w e a w b e a g o u e . W e c o m m i t t d t o t n i t i o n i n g o u e n t i m n u f c t u i n g u e c i n t o 1 0 e c n e a w b e e c t i c i t b 2 3 .

Endnotes

¹ e e d f i a i t e t i c t i o n o n m f u u b t n e i n c l u d i n g d f i n i t i o n f o w t e e c o n i d t o b " e e o f " i n t e e e R g u e d S u b t n e S e c i f i c t i o n . E e e o d u c t i e e o f C n d e t e e c t f o C o w c o d i n d i i n d f o 2 e o n g . C o w c o d) n d S o u t a w e e w c o n t i n u t o e k g e n r a n t e e p f o o u C n d e t e e e c r a n t e e o d u c t c o m i t t e E u e n U n i o n D e c t e 2 1 1 / e / E U n d i t r a n d r a n t i n c l u d i n g e m t i o n f o t e u e o e d u c i g e t m e t u o d e e e i w o k i n g t o e o u t t e u e o f t e e e m e t d u b t n e w e e t c n i c o u i l e .

² i d i e t g a t i o n) c a d e d G o d t i n t e U n i t d S t e n d C n d i n c o d n e w i t I E E E 1 6 3 . 1 o U 1 1 n d i j e t d u c o n t e E c t o n i c o d u c t E p i o n r a n t e e e r a n t e o e e E) R g i t . E E e g e t c o m u t d i e n d m o b i e o a b e d o r e p i o n r a n t e q u i r a n t i n t e e t n d d . o m a e i n f o m t i o n i t i t . w w w . e . t . a . t .

³ E e n o u e g e m i j i o n w e c c u e d u i n g i f c e e e e r a n t r a t o d o g i n c o d n e w i t I S 1 4 4 n d 1 4 4 4 t n d d n b e d o n i d i e t g a t i o n) t n d d c o n f i g u t i o n w i t e 4 G t o g . W o t n u d e t o u c b o n m o d t a e g a w i n f o m t i o n e e u t o u e t i m e t f o t e c b o n f o o t i n t o f t e e e i o u g a t i o n - i d i e t g a t i o n) w i t e 4 G t o g c o n f i g u t i o n - i n a e d f o m 8 2 k g C e e u b i e d i n i t o d u c t E p i o n r a n t R e o t) t o 8 8 k g C e .

Carbon footprint		
	iPad Air (5th generation)	iPad Air (4th generation)
64G	3 kg C e	88 kg C e
128G	84 kg C e	-
256G	122 kg C e	122 kg C e

Endnotes

i.d.i.g.a.tion)w,u,dfo.com.i.on,t.e.m.o.t.e.c.n.t.e.e.d.nd.imi.d.j.c.e.e. oduction i.d.i.g.a.tion) t.nd.d.configu.tion.wit.4G.to.g.w.com.e.d.to.i.i.ngi.d.i.g.a.tion) t.nd.d.configu.tion.wit.4G.to.g.configu.tion.inc.t.e.e.t.e.two.ow.t.to.g.configu.tion.off.e.d.

W.m.s.m.t.i.in.ou.u.s.c.in.nd.u.bi.i.t.of.id.n.t.i.d.t.in.t.n.t.um.tung.d.n.nd.g.o.d.G.cob.t.nd.it.um.ra.d.nd.e.fia.in.ou.u.s.c.in.i.d.a.t.t.r.a.n.t.e.k.to.conf.i.m.ou.cing.c.tic.nd.e.t.of.ou.e.u.on.ila.ou.cing.g.o.m.In.d.dition.ou.e.f.f.o.t.con.id.b.o.d.ng.of.i.k.including.p.o.c.i.e.p.i.on.n.a.nt.um.n.i.g.t.nd.g.p.n.n.c.i.k.

R.c.e.d.m.t.i.c.im.u.d.i.to.t.e.n.c.o.u.nd.i.b.c.d.on.uditing.doa.b.U.C.

C.mic.t.t.r.a.t.G.e.n.S.a.e.n@b.n.c.m.k3.o.4.o.t.e.e.q.u.i.e.n.t.r.a.t.o.d.o.g.i.k.U.S.E..S.f.C.o.i.c.e.con.id.e.d.f.nd.e.f.e.d.f.o.u.g.e.n.S.a.e.n@i.com.e.e.n.j.e.d.r.a.n.t.to.t.t.e.u.d.t.u.b.t.n.c.g.in.t.18.diff.e.n.t.c.it.i.o.m.a.in.f.o.m.t.i.o.n.j.i.t.www.g.e.n.g.e.n.c.a.m.i.c.o.g.

e.t.b.i.e.d.f.in.m.b.u.s.i.t.—o.t.o.t.t.e.b.e.n.e.u.s.i.f.o.m.a.t.n.o.a.—f.o.i.d.i.g.a.tion) e.t.i.d.a.t.e.f.i.d.e.o.W.t.b.U.C.27.S.t.n.d.d).U.e.q.u.i.t.e.t.c.n.t.d.e.i.o.n.t.o.u.g.r.a.t.o.d.o.t.t.n.w.t.t.a.g.to.c.i.e.o.W.t.to.nd.f.i.e.c.n.t.G.o.d.c.n.t.nd.tinum.c.n.t)d.i.g.n.t.i.o.n.

R.u.on.ila.ou.cing.of.wood.fib.i.d.fia.d.in.u.s.Su.t.in.la.i.b.S.e.c.i.f.i.c.t.i.o.n.W.con.id.wood.fib.to.in.c.u.d.b.m.boo.

o.m.a.in.f.o.m.t.i.o.n.b.o.u.t.o.k.t.o.a.t.c.t.n.d.a.t.e.u.on.i.b.m.n.g.d.f.a.t.e.e.d.o.u.E.p.i.o.n.a.n.t.o.g.R.o.t.

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E.a.g.c.o.n.u.m.t.i.o.n.n.d.a.g.e.f.f.i.c.i.n.c.p.u.e.b.e.d.o.n.t.e.E.N.E.R.G.Y.S._R.o.g.m.R.q.u.i.r.a.n.t.f.o.C.o.m.u.t.in.c.l.u.d.i.n.g.t.e.m.e.a.g.o.w.n.c.f.o.i.d.i.g.a.tion).o.m.a.in.f.o.m.t.i.o.n.j.i.t.www.a.g.t.g.p.E.N.E.R.G.Y.S._R.n.d.t.e.E.N.E.R.G.Y.S._R.m.k.e.e.g.j.d.e.d.t.d.m.k.o.w.a.d.b.t.e.U.S.E.p.i.o.n.a.n.t.a.t.c.i.o.n.g.n.c.

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S.e.w.ow.t.t.t.j.e.r.t.e.d.u.t.o.m.t.i.c.f.t.two.m.i.n.u.t.of.in.c.j.i.t.d.f.u.t.o.b.e.l.i.n.g.t.e.S.e./W.k.b.u.t.t.o.n.C.o.n.a.g.t.d.to.Wi-i.o.t.e.t.t.t.i.g.w.e.f.t.i.n.t.e.i.d.f.u.t.t.t.

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ow.d.a.t.e.f.f.i.c.i.n.c.g.o.f.t.e.W.U.S.-C.ow.d.a.t.wit.t.e.U.S.-C.C.g.C.l.a.m).r.a.u.d.f.f.i.c.i.n.c.w.e.n.t.a.t.t.c.n.t.7.c.n.t.0.c.n.t.nd.2.c.n.t.o.f.t.e.ow.d.a.t.a.t.d.o.u.t.c.u.e.n.t.

Power consumption for iPad Air (5th generation)			
Mode	100V	115V	230V
S.e.	.44W	.44W	.42W
l.d.—D.i.o.n	3.3W	3.3W	3.1W
ow.d.a.t.n.o-o.d	.04W	.04W	.04W
ow.d.a.t.e.f.f.i.c.i.n.c	86.8	87.0	87.8

d-in.u.b.e.d.o.n.t.e.c.o.n.d.i.t.i.o.n.e.nd.configu.tion.of.o.u.t.d-in.d.j.c.nd.m.Q.b.t.w.e.n.o.n.i.a.nd.in-t.a.t.d-in.You.m.u.t.b.t.t.18.e.o.d.ln-t.a.t.d-in.e.q.u.i.e.n.t.i.o.n.of.p.i.d.g.p.n.a.n.t-i.u.d.o.t.o.I.D.p.o.c.w.m.e.q.u.i.n.g.t.i.in.f.o.m.t.i.o.n).d.d.i.t.i.o.n.o.f.o.d-in.t.a.m.

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