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Sent a different item than what was advertised and it doesn't work. Making me jump through hoops to return it, wants me to send a video of the charger not working. DO NOT BUY FROM THIS SITE! Date of experience: December 15, 2023I bought their 12V Makita battery ($28) and after fully charging it will only run my drill for 30 seconds. Total
junk. They will only offer me a replacement (of another junk battery) or a refund of my purchase price minus $12 for shipping both ways. Stay away from this junk vendor. Date of experience: March 06, 2023I will give this company a negative 5, and I will say that if anyone out there buys from this company you have been warned, but I will warn you
again, their products are absolute junk. Date of experience: December 26, 2022Bought 20 volt slide style replacement for dewalt. They have good prices and selection. So, 7 weeks after receiving my battery it won't charge, won't work at all even the battery level indicator don't work and since it's past 30 days I haven't even got a reply from batteries
up after submitting a video as they require. Be warned! Date of experience: November 20, 2021 have almost all of the Dewalt 18V tools. Three Drills, Skill Saw, Sawzall and Flashlight. The Dewalt replacements are $$$$! I bought
these two, and they are Form-Fit-Function exact replacements. They charged in the Dewalt Charger, and they work in the Drill. We'll see how well they last, but the price is unbeatable! Date of experience: November 08, 2021 wish I could give this company zero stars. After obtaining an RMA and following the return procedures I waited for a refund
to post to my credit card. After a half dozen reguests I've come to realize they are dishonest and will not honor their refund policy. Every follow up resulted in some excuse for why the refund would be processed within a week. This is a dishonest Chinese company selling inferior products, but
at least they're consistent in providing terrible and dishonest customer service. Recommend avoiding this company. Date of experience: September 27, 2022I purchase a pair of 9aH batteries for my Dewalt mower. After charging I noticed one of them showed a loss of close to a third of capacity within 5-10 seconds after start. I reported the issue and
they shipped a replacement out the same day!!! The replacement works like a champ and I couldn't be happier. Date of experience: June 08, 2022The most absurd, unprofessional customer experience I have ever had. They sent a pair of defective batteries, required that I send them a video showing the batteries would not charge, required me to pay to
ship them back (I refused to accept another set), and then emailed me to say that sometimes they get "busy" and "may forget" to process the refund and I should remind them. Really inspires confidence. And whoever is writing their emails has great difficulty making anything clear. I feel like I'm in a Saturday Night Live skit. Date of experience: May
26, 2022 purchased for dyson, battery never worked. i never received an answer after multiple attempts at a return authorization. dyson tech informed me that these batteries often damage products beyond repair. horrible company do not purchase anything they sellDate of experience: May 06, 2022 Terrible customer service and product. Received
half my order, the half I did receive was wrong and the only item that I actually received that I did order (18 Volt 6.0 Makita battery) doesn't last long enough to run my radio for 2 hours! Frankly I don't know how they are even in business. Shame on you. Date of experience: March 06, 2022Horrible experience: Batteries arrived fault. One battery
would not charge to 100% and they wouldn't even run my Makita blower with a full charge. I had to pay shipping back for their crappy stuff! They have had the return a week and still no refund. I email to inquire and get an autoreply they are out of the office from Oct. 1-7 and have no access to email. Its January!!! I just filed a claim with my CC
company. DO NOT BUY FROM THEM!!Date of experience: January 31, 2022I bought a pair of 4.0Ah replacement batteries for Makita. I used them on a Makita leaf blower and they ran out in 10 minutes. They run out of juice as quickly as a 10 year old 3Ah real Makita battery! Lesson learned, you get what you pay for!Date of experience: December
14, 2021 This company failed to deliver a battery, saying it would be back ordered for months. My requested credit took weeks to finally happen, only after a parade of emails DO NOT ORDER FROM THIS "COMPANY"! Date of experience: November
20, 2021I purchased two Vanon 18v NiMH batteries for my Dewalt tools, and a replacement battery for a Dyson DC 44 Animal. I ordered a type-A battery, but this place sent me a type-B, and then tried to tell me that is what I ordered a type-A battery.
costs more than double the usual charge, and is more than half what I paid for the thing. Not worth it. Will order from somewhere else where they can at least get the order right. Also, the Vanon batteries don't last any longer than the Dewalt stuff and have to be force-fitted into the charger. Will not order again. Date of experience: September 07,
2021For GreenWorks 40V 5.0Ah Battery Replacement | Lithium Battery 29472 29462 Battery For GreenWorks 40V G-MAX Power Tools (Not for Gen1) × 1. It lasted for 2 months and 4 charges. Junk.Date of experience: August 29, 2021Well my bad.This is Vanon under a new name.Got ripped off again once and fell for it again.They will not charge &
fall out of the tool. Sent e mail, no responseDate of experience: August 07, 2021 bought 4 6.0ah Dewalt battery replacement does make my saw work. When I replaced the Dewalt battery and installed one of them, the power supply speed would be the same as
before. I purchased two of these batteries, and I got the same result no matter which battery I used. This really affected the performance of my saw in a positive way. They do work and are not expensive. I think it might be ok to use it in the exercise. I will strongly recommend these. Date of experience: July 31, 2021Ordered 4-18v 9096 Dewalt type
batteries, Shipped within a week of ordering (I'm in CA), and I was satisfied, but when I inserted the battery into the charger, it did not want to just fall in as original Dewalt batteries do, it had to be forced in and pried back out because it was too tight where the metal connections make contact inside the Dewalt charger and battery. Date of
experience: March 31, 2021Although I didn't order directly from Batteriesup, after reading the reviews it became apparent to me that dealing directly with a Chinese company is a crap shoot and be prepared to be ripped off in some fashion. Don't buy from them. Gez - thay can't even write in English and if you're going through PayPal you don't have
much recourse afterwards. Don't do it.Date of experience: March 14, 2021watch out. I placed one transaction that was flawless, the next one right after i placed the order my bank text me that i had a charge in china. my bank text me that i had a charge in china my bank text me that i had a charge in china. my bank text me that i had a charge in china my bank text me that i had a charge in china. my bank text me that i had a charge in china my bank text me that i had a charge in china. my bank text me that i had a charge in china my bank text me that i had a charge in china. my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i had a charge in china my bank text me that i ha
account. Date of experience: December 01, 2020 We may earn revenue from the products available on this page and participate in affiliate programs. Learn more > Brandt Ranj / Popular Science Losing power is never fun, but it can also seriously mess with your electronics, especially if you don't have a battery backup. Computers, external hard drives,
home WiFi networks, and more all feel the negative effects of an outage. So, it's important to create an action plan to keep your home or your business—or both—running during these possible future blackouts. One important part of your plan should be considering battery backups—also known as an uninterruptible power supply, or UPS—which will
automatically take over when the power drops or goes out entirely. But no one solution's perfect for everyone. To help you narrow those choices, we've compiled a list of the five best battery backups currently available. For most of the UPS models in this guide, we focused on the home user, so we selected units that were less than $300. However, for
one, "Best for businesses," we selected a more expensive model since most small business owners are likely to pay more for a more robust UPS that can handle more machines. Next, we prioritized UPS options that output as a clean sine waveform instead of a simulated sine waveform. This feature is important for more sensitive components, like
gaming systems and audio equipment. We also considered many other features that we considered important; for instance, we looked for UPS models that included surge protection features, like line interactive topology, which uses an automatic voltage regulator to normalize any dips or spikes in power in active (or non-battery backup) mode. We
also considered other features: How many outputs did the UPS have? How many outlets were both battery-and-surge-protected outlets? How many outlets had only surge protection? Plus, we considered USB ports and the length of the power cord. These details can sound pedantic, but they can make a huge difference in day-to-day use. Even if you're
not prone to power outages, many UPS models also include surge protection features. An automatic voltage regulator smoothes over brownouts and spikes without needing to change your battery. It's one of several capabilities you'll want to look for in the best battery backups. Losing power is stressful, so don't let your offline router and computer
add to it. The best battery backups can give you peace of mind that your electronics aren't in the dark while you call the electric company. Some might need a more powerful and versatile solution—particularly if you're looking to back up the equipment in your business. Or maybe you have computers and laptops that are particularly sensitive. And
you'll find that UPS models have a broad price range—you can buy one for under $100 or spend thousands of dollars. Here are our choices for users of all types. This UPS provides you with automatic voltage
regulator LCD screen Simulated sine wave power Power/Watts: 1500AV/900W Battery & Surge Protected: 6 outlets Why it made the cut: This strikes the best balance of features, power, outlets, and price for most people. This mini-tower UPS from CyberPower provides quite a bit of power (900 Watts), which can power
various devices—such as desktop computers, workstations, networking devices, and home entertainment equipment. It has a multifunction LCD and includes line interactive technology, which uses an automatic voltage regulator to monitor and adjust for dips and spikes in power. Despite all of its muscle, it still runs quietly. The UPS comes with 12
outlets—six that have booth battery backup and surge protection and six outlets that only have surge protection. It has an 8-hour recharge time and includes ports for your phones and network. But its output has a simulated sinewave waveform, which may be a problem with more sensitive computers and tech gear. Be sure to check the specs on your
devices to make sure they're combative with this UPS. The CyberPower CP1500AVRLCD3 Intelligent LCD UPS also comes with the company's Powerpanel personal-editing software, which allows you to monitor the UPS unit remotely. It has plenty of power and will last for a decade even with regular use. Powerful Portable Lots of sockets Capable of
charging and discharging more times than other backups Slick design Watts: 1,024 watt Power Outlets: 6 AC outlets, 4 USB-A, 2 USB-C, Car socket USB Ports: 4 USB ports Why it made the cut: It's one of the most portable UPS, which also comes with a pure sine wave form. EF ECOFLOW's 1,024-watt DELTA 2 portable power station doesn't rely on
lithium-ion batteries. Instead, it comes equipped with LiFePO4 batteries that won't degrade as guickly with everyday use. It's powerful enough to run appliances, so it can really come in handy on an RV or as an emergency backup during storms or other power outages. We went hands-on with the DELTA 2 and found it easy to set up and use. The unit
of connectivity to go with that power. You'll find three AC outlets with grounds and three without. It offers four USB-A ports for slinging juice into your mobile devices or tablets. The results of our testing found that the DELTA 2 wasn't designed for any particular purpose (camping, emergency preparedness, etc.) but
would work well in all of those scenarios. As such, we have no problem recommending it to anyone who wants a battery backup they can rely on to provide hours of juice for portable gadgets and appliances alike. This powerful, but affordable UPS allows you to backup multiple parts of your network Includes line interactive topolgy, with automatic
voltage regulator Angled LCD to view UPS status Uses a pure sine wave form Includes a six-foot power cord Fewer surge-protected only outlets than other models Larger than others in its class Power/Watts: 1500AV/900W Battery & Surge Protected only outlets than other models Larger than other model
UPS offers a lot of power and clean sine wave output for even sensitive computers and devices. This model makes for an excellent UPS for your home network because it gives output power in a pure sine wave form. That means sensitive equipment, like networking or high-end audio gear, will work fine since output power is clean. It also offers
your business systems. Cloud-enabled UPS Includes line interactive topology, with automatic voltage regulator Uses a pure sine wave form Power/Watts: 2200VA / 1980W Battery & Surge Protected Only: 2 outlets Why it made the cut: This APC UPS is expensive, but ample power and advanced features make it attractive for
 business users. One feature that stands out on the APC 2200VA is that it has APC's SmartConnect technology, which allows your UPS to be cloud-enabled. According to the company, you can view the status of your UPS, receive notifications, get firmware updates, and
more." So for those who might not have time to monitor or the money to have any IT department monitor the UPS, this can be quite valuable. It also has a lot of power for hooking up many devices, including your network, into the system. You get 10 outlets, eight of which are both power-backed and surge-protected. The UPS also has both line
interactive topology (via an automatic voltage regulator). It uses a clean pure sine wave form for output, which makes it compatible with most any computer or audio gear. You don't necessarily need to spend a bundle for a backup. Inexpensive 12 outlets (6 with both battery backup and surge protection Includes line interactive topology, with
automatic voltage regulator Simulated sine wave form (in backup mode) Power/Watts: 750AV/450W Battery & Surge Protected: 6 outlets Surge Protected: 6 outlets Surge Protected Only: 6 outlets Surge Protected: 6 outlets Surge Protected: 6 outlets Surge Protected Only: 6 outlets Surge Protected: 6 outlets Surge Protected
your gear. However, that would leave you vulnerable to power outages. Instead of foregoing a UPS, consider a budget-priced model, like this one from Tripp. The Tripp Lite AVR750U 750VA UPS can generate 450 watts and has 12 outlets—6 battery & surge protected and 6 surge protected only. It also provides you with line interactive topology, with
automatic voltage regulator—for regulating dips and spikes in your active system without needing to switch to battery power. According to the specs, the line-interactive battery backup can correct for "brownouts and overvoltages from 83V to 147V." At this price, though, it should be a surprise that it uses a simulated sine waveform (in backup mode)
and may not perform adequately with sensitive gear. However, it does include a USB port, has TEL/DSL protection, and it can mount to the wall. If you're looking to buy a UPS, you'll find that there's a rather large range in prices—from less than $100 to more than one thousand dollars. So, how do you choose? Use the following guide to help you
make your decision. Here are some factors to consider before making your purchase: When you're looking to buy an uninterruptible power supply, or UPS, you're investing in a device that will deliver power to various devices, like a laptop or wireless router, and may also provide a surge protector. However, you'll need to make sure that your supply or UPS, you're investing in a device that will deliver power to various devices, like a laptop or wireless router, and may also provide a surge protector.
has enough output power for the job. In general, the best battery backups can output at least 400W. UPS models include several different features, but you'll want to focus on a couple, depending on what you want to back up. A sine-wave inverter allows a UPS to produce a clean sine waveform, which is the best type for power output. In contrast,
some inexpensive models output a simulated sine waveform, which can be problematic for some higher-end gaming laptops and audio gear. Another key feature is to look for line interactive topology, which in some UPS models uses an automatic voltage regulator to compensate for small dips and spikes in the active power coming into your house. So
this feature acts as surge protection for your computers and system. A unit's longevity depends on how powerful your UPS is, as well as how it's configured. For budget or low-end UPS models won't let you run your computers and other gear as long. (This is
called "run-time" and some manufacturers include this information on the product sections of their websites.) Be sure to research how much power you'll need to run your devices in case of a blackout. Most UPS models include several outlets that inc
you factor that in when making your battery backup plan. There are some products you won't be able to run—such as a refrigerator or microwave, which would be too taxing on the UPS. Also, some smaller products just draw too much power. Hairdryers fit that description. It's also important to remember that a UPS isn't meant to take the place of an
electric generator, which has a more robust power capacity. But for many consumer electronic devices, even monitors and specs of the USP models you'd like to purchase to see if they will back up your system effectively.) Q: What is a
UPS for a computer? A UPS is an "uninterruptible power supply" and is essentially a battery back for your computer or other devices and network should you lose power. If the power dies, a quality UPS will kick in automatic voltage regulator
to compensate for small dips and spikes in the active power coming into your house. Even if a model does offer it, however, it may not provide it to every outlet, so make sure to check the listing or the manual before you plug in. Q: How long can I run my computer or devices on a UPS? It depends on the system, computer, and UPS: If you're only using
a computer, you might be able to run it for 45 minutes. But if you add a monitor and an external hard drive, your UPS might only last 10 minutes. Some UPS manufacturers include some runtime figures that might be useful to get an idea of how much time you have to run your devices. Today, many of us are not only buying more computer gear and
mobile devices for our homes, but many of us are also working more from home in hybrid-work situations. That's why it's more important than ever that you have a backup plan for your computers and other electronic devices. And that plan should include seeking out the best battery backups. The PopSci team has tested hundreds of products and
spent thousands of hours trying to find the best gear and gadgets you can buy. I'm a senior staff writer at Wirecutter covering batteries, chargers, and charging technology. I've been a science journalist for more than a decade, covering batteries, chargers, and charging technology. I've been a science journalist for more than a decade, covering batteries, chargers, and charging technology. I've been a science journalist for more than a decade, covering batteries, chargers, and charging technology. I've been a science journalist for more than a decade, covering batteries, chargers, and charging technology. I've been a science journalist for more than a decade, covering batteries, chargers, and charging technology. I've been a science journalist for more than a decade, covering batteries, chargers, and charging technology. I've been a science journalist for more than a decade, covering batteries, chargers, and charging technology. I've been a science journalist for more than a decade, covering batteries, chargers, and chargers are the science journalist for more than a decade, covering batteries, chargers, and chargers are the science journalist for more than a decade, covering batteries, chargers are the science journalist for more than a decade, covering batteries, chargers are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade, covering batteries are the science journalist for more than a decade,
reported on surge protectors, power strips for travel, and more. For this guide: I spent 74 hours researching and testing UPS units. I worked with Lee Johnson—an electrical engineer with more than 15 years of experience designing and testing UPS units. I worked with Lee Johnson—an electrical engineer with more than 15 years of experience designing and testing upon te
review and test products with complete editorial independence. I'm never made aware of any business implications of my editorial recommendations. Read more about our editorial standards. An uninterruptible power supply, or UPS, is basically a surge protector, battery, and power inverter—which turns the battery's stored energy into usable power supply.
-wrapped into one unit. The size of the battery determines how long the UPS can provide power, and the inverter determines how much power it can put out at a time, a measurement often listed as volt-amperes (VA) but more easily discussed as watts (W). A small, inexpensive UPS is great for anyone who wants their home Wi-Fi and internet to stay
online during short power outages or brownouts. Unlike landlines, which may have only a small battery backup. Adding a UPS can keep you online and connected for an hour or more in case you need to reach emergency services—or if you're about to finish a
critical encounter in Elden Ring.UPS units with extra power and features can help keep home offices and workstations running during business hours, or at least long enough for you to save your work and safely shut down vulnerable equipment. If you have a lot of important data on a desktop computer, an external hard drive, or network-attached
storage, you may need a UPS to prevent your drives from losing data in the event of a sudden power outage. In some cases, a UPS can provide crucial backup power to household medical equipment—such as CPAP machines for sleep apnea—for a limited time. Powering your home theater for a movie marathon during a storm is more difficult, and
costlier, than simply buying a UPS. If you need long-term power, the capacity to keep refrigerators and other appliances plugged in, or a way to light up your whole house in blackout situations, you should consider off-grid options with longer run times, such as a portable power station, a generator, or a professionally installed battery-backup
system. If you need to back up documents, photos, and videos from multiple laptops and phones, we recommend a network-attached storage (NAS) device. Photo: Michael HessionWe started by considering more than 100 models from Amazon Basics
to our list because it's a prominent option when you're shopping online. We considered the most important traits of a great UPS and developed the following criteria: Automatic voltage regulation (AVR): Also called line-interactive topology, this is a more advanced form of power management that uses a small transformer as a buffer to compensate for
power dips and surges without relying on the battery. This method reduces wear and tear on the battery, especially from frequent brownouts, and provides more reliable power to sensitive gear such as hard drives. At least four battery backed outlets on a UPS should provide surge protection, but generally only half the outlets are
in mind that it's unsafe to plug a UPS into an extension cord.Rated for at least 600 VA or more for all models and 1,000 VA or more for al
with a user-replaceable battery (video), which allows you to spend only $30 to $60 on a new battery in the future instead of having to buy a whole new UPS. Power-management software: We required each model to offer a downloadable application to monitor and manage the UPS from a phone or computer. Such software should also allow you to
program the UPS to complete a series of tasks before shutting down if you're away from your computer when the power goes out—which is especially handy for units with shorter run times. Backlit screen: Most UPS units have a small status light, but some pricier models have a helpful screen to display additional information such as the battery's
charge status, the current load, and the remaining run time. USB ports: Having at least one USB port lets you charge a phone or other small device without taking up one of the outlets. These ports aren't surge-protected, though, and since they're not connected to the battery, you can't use them during a power outage. Pure sine-wave inverter: No
model we tested with this feature could match the output, run times, and surge-protection capabilities of our picks, but it can be useful in rare cases, and we generally prefer it—especially in models lacking AVR. All sine-wave inverters turn DC power into AC power, but a pure sine-wave inverter can produce electrical waveforms as clear and smoothed in rare cases, and we generally prefer it—especially in models lacking AVR. All sine-wave inverters turn DC power into AC powe
as the AC power from any wall outlet, whereas modified (or simulated) sine-wave inverters produce choppier waveforms. A pure sine wave is important for anything with a powerful motor (such as a corded drill, vacuum, or blender), as well as sensitive audio equipment and medical devices that require pure AC power. The pure sine wave from a corded drill, vacuum, or blender), as well as sensitive audio equipment and medical devices that require pure AC power. The pure sine wave from a corded drill, vacuum, or blender), as well as sensitive audio equipment and medical devices that require pure AC power. The pure sine wave from a corded drill, vacuum, or blender), as well as sensitive audio equipment and medical devices that require pure AC power. The pure sine wave from a corded drill, vacuum, or blender), as well as sensitive audio equipment and medical devices that require pure AC power. The pure sine wave from a corded drill, vacuum, or blender), as well as sensitive audio equipment and medical devices that require pure AC power. The pure sine wave from a corded drill, vacuum, or blender), as well as sensitive audio equipment and medical devices that require pure AC power. The pure sine wave from a corded drill, vacuum, or blender), as well as sensitive audio equipment and the pure sine wave from a corded drill, vacuum, or blender and the pure sine wave from a corded drill, w
residential wall outlet. The CyberPower CP1000PFCLCD, a former pick, uses a modified sine-wave inverter to turn the DC power in the battery into a rough approximation of standard AC power. The
pure sine wave from a residential wall outlet. At least a one-year warranty: Most brands whose models we tested cost under $300, and most models we tested cost under $300, and most models we tested cost under $300, and most models we tested cost under $300.
less than $200. We gave preference to cheaper models, all else being equal. We then tested the performance of each model in a few key areas, including the following: Battery capacity: Manufacturer run-time ratings outline how long a UPS can keep devices of various wattages running. Since most ratings are based on ideal conditions, we tested our
top candidates at two different loads to see how they would perform in real-world use: 20 W, representing the power draw of a household modem and router, and 300 W, representing the power output: To test the maximum load that each UPS could
handle, we turned on each one and then unplugged it, leaving it running on its battery. We then plugged in household appliances of known wattages one by one until the battery overloaded and the UPS with 5,000-volt power
surges, measuring how many volts they let through. A lower let-through voltage (also called clamping voltage) is better, since you want as few volts as possible to reach your devices. USB output: For models with USB-A or USB-C output ports, we connected a USB load tester rated for up to 150 W to each port, cranked up the power until the ports
overloaded and the load tester shut down, and recorded the total output in watts. Design: We sought out models with a compact size and shape—easy to tuck under a desk or beside an entertainment center—and a streamlined, unobtrusive exterior. We also assessed their build quality, ease of use, and any additional features or included
accessories. Tripp Lite's Protect It 12-Outlet Surge Protector TLP1208SAT absorbs thousands of volts so they won't fry your gear, and it helpfully lets you know when its protection wears out. Photo: Michael HessionThe CyberPower CP900AVR has premium features that you typically find in units costing twice as much. It has 10 surge-protected outlet
—five of which are battery-backed—and more than double the output necessary to power a household modem, router, PC, and external hard drive. It can keep a typical household modem and router running for up to four hours. It offers must-have features such as automatic voltage regulation, it's easy to use, and it fits comfortably under most
workstations. It offers great battery life. The CP900AVR surpasses most models we tested in run time. Judging from our testing, we expect it to keep a modem and router running for about 17 minutes—which gives you ample time to save any work and close any
programs you have open. Those results aren't far behind what we got from our upgrade pick, and they're more than twice as long as what we saw with our budget pick. It treats your devices gently. Since this UPS has automatic voltage regulation (AVR), it doesn't need to transition from wall-outlet power to battery power as often as models lacking that
feature. AVR technology provides more-reliable power to connected devices that can't tolerate power drops, such as hard drives, and it should extend the overall life of the unit. It has plenty of outlets. The CP900AVR has a total of 10 outlets, including five battery-backed outlets, so you could keep a PC, monitor, NAS, modem, and router running for a
while after the power goes out. Aligned in two rows, the outlets are spaced widely enough for you to fit most plugs. CyberPower's CP900AVR has an easy-to-use interface with just two buttons (power on/off and mute) and four indicator lights (showing when the unit is turned on, when the
battery backup kicks in, when AVR is activated, and when there's a power overload) on the front of the unit. Photo: Michael HessionThe back of the CP900AVR provides 10 outlets, two network ports, a serial connectors, a serial connector, a USB-B port, a circuit-reset button, and a wiring-fault indicator light. Photo: Michael HessionThe CP900AVF
includes a 6-foot cord with a flat plug angled to the right. Photo: Michael HessionCyberPower's CP900AVR has an easy-to-use interface with just two buttons (power on/off and mute) and four indicator lights (showing when the unit is turned on, when the battery backup kicks in, when AVR is activated, and when there's a power overload) on the front
of the unit. Photo: Michael HessionIt has one of the longest cords of the UPS units we tested. This UPS has a thick, flexible 6-foot cord, and the flat, low-profile plug is oriented at a 45-degree angle so it won't block more than one wall outlet. It's super powerful. In our testing, the CP900AVR achieved a higher peak power than any comparably priced
competitor, and it was just as good as some pricier units we tested. We were able to plug in 738 watts' worth of devices—two lamps, a fan, 10 halogen bulbs, and even a KitchenAid mixer set to medium power—before its battery finally cried uncle and shut down. Most people won't be powering their KitchenAid mixers on a UPS during a blackout (and
you probably shouldn't, as doing so puts unnecessary strain on the battery). But our test is a good indicator that this UPS can power almost anything you need in your home office for at least a short while. It offers ample surge protection. In our testing, the CP900AVR knocked down our 5,000-volt surges to just 540.4 volts. That result isn't quite as
good as what we saw from our favorite surge protectors—none of which let through more than 300 volts in testing with identical equipment and parameters—but it's on a par with how our other UPS picks performed, and it indicates that this UPS can protect your devices against most household power spikes, sags, and surges. It has a user-replaceable
battery. When this UPS's battery dies, you can swap it out yourself within minutes, rather than replacing the entire unit. It has its own software. CyberPower's PowerPanel Personal power outages occur and lets you manage automatic and
scheduled shutdowns, track the power consumption of your UPS, and check the battery's charge status and remaining run time. It's intuitive to use. This model is as easy to use as any UPS we've tested. It has a large, round button on the front to power the unit on and off, and another to mute the notification noises. When the volume is on, the unit
issues a double-beep every 30 seconds after an outage, rapid beeping when the battery is about to die, a constant tone in the event of an overload or short circuit, or a beep every two seconds to indicate (clockwise from top left) when the unit is
powered on, when the battery backup has kicked in, when the unit is overloaded, and when the avR feature has kicked in. The unit has large vents on either side to prevent overheating, and all of the ports and connectors are located on the back. It's fairly compact. The unit has large vents on either side to prevent overheating, and all of the ports and connectors are located on the back. It's fairly compact. The unit has large vents on either side to prevent overheating, and all of the ports and connectors are located on the back. It's fairly compact. The unit has large vents on either side to prevent overheating, and all of the ports and connectors are located on the back. It's fairly compact. The unit has large vents on either side to prevent overheating, and all of the ports and connectors are located on the back. It's fairly compact. The unit has large vents on either side to prevent overheating, and all of the ports and connectors are located on the back. It's fairly compact. The unit has large vents on either side to prevent overheating, and all of the ports and connectors are located on the back. It's fairly compact. The unit has large vents on either side to prevent overheating, and all of the ports and connectors are located on the back. It's fairly compact. The unit has large vents of the ports are located on the back. It's fairly compact. The unit has large vents of the ports are located on the back. It's fairly compact is the ports are located on the back. It's fairly compact is the ports are located on the back. It's fairly compact is the back is the back. It's fairly compact is the back is the back is the back is the back. It's fairly compact is the back is the back is the back is the back. It's fairly compact is the back is the back. It's fairly compact is the back is the 
box of cereal, so you can easily stash it next to a PC tower or wireless router at a workstation, or alongside the speakers and stereo receiver in a record-player setup. It has lots of convenient extra features. The CP900AVR has a red button to reset
the internal circuit breaker in the event of an overload or short circuit. It lacks USB-A and USB-C ports, but it has a USB-B port and comes with the corresponding cable. This allows you to connect the UPS to your computer, so you can use CyberPower's software or your computer's operating system to set up data saving, monitoring, and other
functions. It has two coaxial connectors for hooking up a cable box or modem, as well as a serial port for a printer or other peripheral device. It also offers two network connection. It's a safe buy. Costing $140 at this writing, the CP900AVR
falls well under our $300 price cap. CyberPower backs it with a three-year warranty, which is as long as any coverage we've seen and gives you more than enough time to see if the unit works properly and meets your needs. Since power outages happen about once or twice per year on average in the US, you'll likely have used it in a few real-world
outages in that time frame. Flaws but not dealbreakers than our other picks, but 10 outlets had worse peak power or run times. This model isn't as easy to slide under a desk or an entertainment center as units that are flatter in shape, like
our budget pick, so you need ample vertical space to accommodate it. Its ports are also less accessible since they're located on the back of the unit instead of on top, but that's a tolerable trade-off to reduce cord clutter. Like our other picks, this UPS has a modified sine-wave inverter, so it produces a slightly choppier electrical waveform than what you
can get from the pure sine-wave inverters in some models. Those models are better for powering sensitive equipment, but none that we've tested excel in more output and battery capacity, and niceties such as an informative screen
total of 12 outlets, including six battery-backed outlets, this UPS can keep even more devices running during a power outage. It shares our top pick, so a user-replaceable battery, and comes with its own software. But
also like our top pick, it uses a modified sine-wave inverter. That's fine for general use, but it means you shouldn't use this UPS with sensitive equipment that needs a pure sine wave. That said, none of the models we tested with a pure sine wave inverter offered the same run times and range of features as this UPS. It has a wide variety of ports and
foot cord, the CP1350AVRLCD3 has a flat plug that angles to the right. Photo: Michael HessionCyberPower's CP1350AVRLCD3 has a backlit screen that clearly displays key information. Photo: Michael HessionThe back of the CP1350AVRLCD3 has a backlit screen that clearly displays key information. Photo: Michael HessionThe back of the CP1350AVRLCD3 has a backlit screen that clearly displays key information. Photo: Michael HessionThe back of the CP1350AVRLCD3 has a backlit screen that clearly displays key information.
reset button, and a wiring-fault indicator light. Photo: Michael HessionOn the end of its 6-foot cord, this UPS has a flat plug that angles to the right. Photo: Michael HessionIt has a long cord. Like our top pick, this UPS has a flat plug that
angles to the right, which makes plugging in another device alongside it on a wall outlet easier. It delivers plenty of power. The CP1350AVRLCD3 has an impressive 1,350 VA rating, which was reflected in our testing—we measured a total output of 825 W. That should be more than enough to power your key devices in a home office or entertainment
center.It has good surge protection. In our testing, this model blocked all but 526.8 of the 5,000 volts we threw at it, showing that it's capable of protecting devices from most household power surges. It has a helpful screen. Unlike our other picks, the CP1350AVRLCD3 has a backlit screen, so you can easily monitor what the UPS is doing at a glance.
 The screen is easy to read thanks to colorful icons and large text, and it displays useful information such as the input voltage, the output wattage, and how much battery life remains. It has a sleek and practical design. Like our top pick, the CP1350AVRLCD3 stands upright, so you can easily place it alongside your desk. It's slightly bigger than that
model, mostly to accommodate its extra outlets and screen, but still relatively compact. It weighs 22.8 pounds. It have a surge-protection indicator light, but that's true of most models we tested, including our other picks—
just make sure to replace this or any other UPS every three to five years, when the surge protection will have likely worn off. It has a good warranty. Like our top pick, this UPS is backed by a three-year warranty, and the company's customer support is fast and responsive in case you run into any issues. It's not cheap, but it's still a good value. Costing
$180 at this writing, the CP1350AVRLCD3 is hardly an impulse purchase. But since other contenders with a similar array of features often cost more, and you'll likely be using it to protect hundreds of dollars' worth of gear, it might be worth the splurge. Photo: Michael HessionThe Amazon Basics Standby UPS 800VA is a good option if your budget
precludes you from getting one of our other picks. But in saving some cash, you give a few things up: It has the lowest capacity and peak power output of any of our picks, as well as the shortest cord and the skimpiest warranty. And don't plan on using it to protect electronics that require either a pure sine-wave inverter or automatic voltage
regulation (AVR), since it lacks both features. It keeps devices powered long enough for you to shut them down safely. If you just want to keep your Wi-Fi network powered during a blackout, this UPS can do so for around 1.5 hours (that's how long it lasted with our 20 W fan). But if you need to power more electronics, beware: When we put it under a
heavier, 300 W load, we measured a run time of just 6 minutes. It has lots of outlets to protect some sensitive devices—such as a router, modem, laptop, monitor, external hard drive or NAS, and alarm clock—in the event of a power outage. That's two more
outlets than our top pick offers, and as many as our upgrade pick provides. The Amazon Basics Standby UPS 800VA has 12 outlets, including six battery-backed outlets. Photo: Michael HessionThe
Amazon Basics Standby UPS 800VA has a 5-foot cord, and the plug has a flat profile and angles to the right. Photo: Michael HessionThe cord is on the shorter side, but it has an angled plug. This UPS has a 5-foot cord, which is a foot
shorter than those of our other picks, so you might have to move your workstation closer to an outlet to help it reach. But as on our other picks, the plug has a flat profile and angles to the right, making space for other plugs on your wall outlet. It's powerful. In our testing, this inexpensive option had more than enough power output to support home-
networking gear or a simple home-office setup. We measured a peak power output of 470 W, as it allowed us to connect an assortment of eight halogen bulbs and two lamps to its battery-backed outlets before it tapped out a few seconds later. That's a lower peak output than what we got from most of the UPS units we tested, but it should still be
enough to power a desktop computer, a household modem, a Wi-Fi router, an external hard drive, and maybe a few small devices. It provides the best surge protection of any UPS we've tested. When we zapped this unit with 5,000 volts, it blocked all but 402.8 of them. Although that's about twice as many volts as our favorite surge protectors let
through, it's still better surge protection than we've seen from any other UPS. This means that, unlike with some models we tested, on this unit your precious devices should have ample protection against common household power fluctuations as well as against less-frequent blackouts that trigger the battery backup. It's compact yet roomy. This unit is
about the size and shape of a dictionary laid flat, and at just over 9 pounds, it weighs about half as much as our other picks. At the same time, the outlets are widely spaced, and four of them have enough space for extra-large power bricks. It has some handy features, though it's missing a couple of big ones. Like our other picks, this model has a
circuit-reset button and a user-replaceable battery, and it comes with free downloadable software. But on the downside, it lacks AVR, its only auxiliary connector is a USB-B port, and like our other picks it has a modified sine-wave inverter. It isn't the most intuitive model to use, but it gets the job done. Since a single on/off button on top doubles as all
of the indicator lights for the unit, you might need to resort to the manual (or this guide) to figure out what the UPS is trying to tell you. In short, the button turns solid and plays a constant tone when the battery is
overloaded. The warranty is shorter than we'd like. Compared with the coverage on our other picks, this model's one-year warranty offers little wiggle room. So if you do choose this model, make sure to test it out within that window to confirm that it works—and continue to test the battery periodically by unplugging the UPS from the wall and letting
it run on its battery. You can't beat the price. While most models we considered cost $100 or more, this Amazon Basics UPS typically costs just $80. Use your UPS with the right equipment: It's important to know what a UPS can and can't do. Using a UPS for power-hungry devices—such as a laser printer, paper shredder, or space heater—can damage
its internal components, degrade its battery, and void its warranty. Small electronics or office equipment without moving parts should be fine, but for anything bigger than a desktop computer, check the manual for your UPS. Never plug a UPS into a surge protector or vice versa: Aside from potentially overloading either unit and tripping a fuse or
breaker, you also risk cancelling out the surge protection instead of doubling it up. Never plug a UPS into an extension cord: The excess load can cause it to overheat and melt. If the cord on your UPS isn't long enough, you're better off moving your workstation closer to an outlet or spending $100 or so to have an electrician install a new outlet—either
of which is preferable to replacing damaged electronics or starting a fire accidentally. Test the battery from time to time: The sealed, lead-acid battery inside your UPS will stay charged as long as the device is plugged in, so it should be able to perform well for many years. But since batteries degrade over time, you can avoid any surprises in the future
if, once a year or so, you unplug the UPS from the wall outlet with your devices running—just to make sure the UPS powers them for as long as you expect it to. Replace the battery, not the unit: Like all electronics, a UPS won't last forever. But ideally, you should be able to replace the battery numerous times before you have to replace the entire unit.
CyberPower sells replacement batteries for our top pick and upgrade pick, as do some third-party batteries, but you can get a compatible replacement for our budget pick from Duracell, Mighty Max, and other well-established brands. When in doubt, make sure the voltage and terminals (either F1
or F2) listed on the label match the battery that came with your unit. Recycle old batteries: When you replace the battery in your UPS, you should recycle used batteries. If our budget pick is unavailable and you want something that costs less than our other picks:
Get the CyberPower AVRG900U. It performed better than our budget pick from Amazon Basics in our run-time tests, keeping a 300 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 W load running for 6.5 minutes and a 20 
light.On the downside, it has inferior surge protection (blocking all but 554.8 volts, as opposed to 402.8 volts) and costs more at this writing. If our upgrade pick is unavailable, or you want something with better run times, more surge protection, and a longer warranty: Get the CyberPower BRG1500AVRLCD2. In our run-time tests, it kept a 300 W load
running for 22.5 minutes and a 20 W load running for 5 hours, and it blocked all but 516.4 volts in our surge tests. And it's backed by a five-year warranty, which is longer than that of most models we tested. However, it lacks coaxial connectors, and it's one of the priciest models we tested, costing $260 at this writing. If you absolutely need a UPS with
a pure sine-wave inverter: Get the APC BR1500MS2. It's one of the few models we tested with a pure sine-wave inverter, so you can use it with an even wider range of devices than our picks. It has 10 outlets, including six battery, an easy-to-read
screen, and two USB ports (one USB-A and one USB-C), and APC backs it with a three-year warranty. In our run-time tests, it kept a 300 W load running for 4 hours. It has a 900 VA rating, and we measured a maximum output of 847 W. However, we decided not to make it a pick because it performed poorly in
our surge tests, letting through just 593.2 volts in the neutral line but leaving its other two power circuit wires unprotected. It's also expensive, costing $280 at this writing. This is not a comprehensive list of all UPS units we've tested. We have removed any models that are discontinued or do not meet our criteria. In our testing, the APC BE700G3, the
APC BE900G3, the Tripp Lite by Eaton AVR750U, the Tripp Lite by Eaton BC600R, and the Tripp Lite by Eaton BC850R each provided surge protection in only one of their three power circuit wires, leaving the other two unprotected. We dismissed several models because they let through more voltage than our picks in our surge-protection testing: The
APC BE650G1 let through 684.4 volts, the CyberPower CP685AVRG let through 718 volts, the CyberPower CP685AVRG let through 718 volts, and the CyberPower CP1500PFCLCD (our former upgrade pick) let through 628.4 volts. The Amazon Basics Standby UPS 600VA had a mediocre battery capacity: In our testing, we
measured a 30-minute run time at a 20 W load, 6 minutes at a 300 W load, 8 minutes at a 300 W load, 9 minutes at a 300 W load, 8 
the similarly priced models we tested, as well as some models that cost less than half as much. The CyberPower CP1500AVRLCD3 is on a par with our upgrade pick in most respects, and it performed slightly better in our run-time tests, keeping a 300 W load running for 21.5 minutes (versus 21 minutes) and a 20 W load running for 4.8 hours (versus
4.5 hours). However, it lacks coaxial connectors and costs about $10 more at this writing ($190). This article was edited by Ben Keough and Erica Ogg. Best Air Conditioners Aliens Might Be Talking Electric Lawn Mowers Platinum Heist Inside JobSmokeless Fire Pits Pros User-replaceable battery LCD panel Cons Bulky This Cyber Power model offers
everything you need in a powerful and reliable UPS. It includes 12 surge-protected outlets, with six of those backed by battery power. This gives you ample space to connect various devices, from your home office setup to more fun devices like your PlayStation 5, smart TV, or gaming desktop. The front of the UPS also features both a USB-A and USB.
C port for connecting mobile devices. An LCD panel displays information about battery and power conditions. If the power goes out, this model's replaceable battery runs for up to 12 minutes at half load, giving you plenty of time to safely power down. AVR to correct minor power fluctuations is another big plus, as is the three-year warranty. Total
Outlets12Battery-backed outlets6Battery runtime12 mins (half load), 3 mins (full load)Output capacity900 wattsAVRYesCord length6 ft. ProsRelatively compact battery-backed outletsConsNo USB-C portMost UPS devices take up a lot of floor or desk space. This one, however, measures approximately 4 by 11 by 5.5 inches, which is more compact
than most for easier integration into your current home office. Even with its smaller design, this UPS packs a punch with seven total surge-protected outlets, five of which offer battery power. It offers 300 watts of output power—perfectly suitable for a more modest setup. The UPS automatically switches off from the battery backup when your power.
comes back on. And when the time comes, you can replace its battery instead of replacing the entire unit. There are some tradeoffs to the more outlets. You also miss out on an LCD screen and AVR. However, these compromises bring the cost down on this space-efficient
UPS.Total Outlets7Battery-backed outlets5Battery runtimeN/AOutput capacity300 wattsAVRNoCord length5 ft.Advertisement - Continue Reading BelowProsExcellent battery life, even at half load, which isn't ideal for IT professionals or network administrators. This APC
model, however, delivers impressive battery runtime, with up to 23 minutes at half load in the event of an outage. That's almost double of what other top models offer, giving you ample time to save your work and safely shutdown your devices. Beyond excellent battery life, this model comes with a number of advanced features, including cloud-based
remote power monitoring, remote diagnostics, and email notifications with recommended actions. It also supports graceful shutdown. All of these premium features means this UPS costs more and is noticeably larger than other options on the list. That said, its combination of extended runtime and management features make it a worthwhile
investment, particularly for small businesses that want to protect their hardware and data. Total Outlets Battery runtime 23 mins (full load) Output capacity 1,000 watts AVRYes Cord length 6 ft. Pros Power management software and data. Total Outlets Battery runtime 23 mins (full load) Output capacity 1,000 watts AVRYes Cord length 6 ft. Pros Power management software and data. Total Outlets Battery runtime 23 mins (full load) Output capacity 1,000 watts AVRYes Cord length 6 ft. Pros Power management software and data. Total Outlets 8 battery runtime 23 mins (full load) Output capacity 1,000 watts AVRYes Cord length 6 ft. Pros Power management software and data. Total Outlets 8 battery runtime 23 mins (full load) Output capacity 1,000 watts AVRYes Cord length 6 ft. Pros Power management software and data. Total Outlets 8 battery runtime 23 mins (full load) Output capacity 1,000 watts AVRYes Cord length 6 ft. Pros Power management software and data. Total Outlets 8 battery runtime 23 mins (full load) Output capacity 1,000 watts AVRYes Cord length 6 ft. Pros Power management software and data. Total Outlets 8 battery runtime 23 mins (full load) Output capacity 1,000 watts AVRYes Cord length 6 ft. Pros Power management software and data. Total Outlets 8 battery runtime 23 mins (full load) Output capacity 1,000 watts AVRYes Cord length 6 ft. Pros Power management software and data. Total Outlets 8 battery runtime 2 ft. Pros Power management software and data. Total Outlets 8 battery runtime 2 ft. Pros Power management software and data. Total Outlets 8 battery runtime 2 ft. Pros Power management software and data. Total Outlets 8 battery runtime 2 ft. Pros Power management software and data. Total Outlets 8 battery runtime 2 ft. Pros Power management software and data. Total Outlets 8 battery runtime 2 ft. Pros Power management software and data. Total Outlets 8 battery runtime 2 ft. Pros Power management software and data. Total Outlets 8 battery runtime 2 ft. Pros Power management software and data. Total Outlets 
AVR and comes with an LCD panel, all of which make it another great advanced UPS for home offices and small businesses. The APC's power management software boasts several additional features, including the ability to remotely shut down your connected devices during an emergency. This prevents potential corruption or data loss. The device
also supports a graceful shutdown feature, which automatically shuts down connected equipment if you're unable to do it when the connected devices reach a predetermined power level. The UPS offers both data line and coaxial line safeguards to give you extra peace of mind during power disturbances. An informative LCD screen on the front panel
displays crucial information, such as battery capacity, load capacity, the number of power events that have occurred, and a USB-C port on the front to charge your phone or tablet in the same place as your home office equipment. Total Outlets 10 Battery-backed
outlets6Battery runtimeN/AOutput capacity900 wattsAVRYesCord lengthN/AAdvertisement - Continue Reading BelowProsGood outlet spacingPower management softwareConsNo AVRThe Amazon Basics Standby UPS 600VA provides basic backup on a budget, but it lacks the more advanced features of other options. It has eight outlets total,
including four battery-backed outlets to plug in devices like a modem, laptop, or NAS. And with an output of 360 watts, it's the perfect option for home offices, with space to connect multiple devices simultaneously. There's a good amount of space between outlets on the Amazon UPS to easily accommodate two larger power bricks without crowding
other nearby outlets. Additionally, it has a user-replaceable battery and supports power management software. As we said, it lacks more advanced features, including AVR, but it's still a solid, affordable option. Total Outlets8Battery-backed outlets4Battery runtimeN/AOutput capacity360 wattsAVRNoCord length5 ft. ProsAmple outletsUSB
portsConsBulkyThis UPS offers a similar setup to our best overall pick with six battery-backed outlets, AVR, and a tiltable LCD panel. Its 12 total outlets that are battery-backed, so there's no confusion. It's also cleverly designed with extra space for two of the outlets, and it clearly marks the outlets.
making it easier to plug in bulky power bricks. The CyberPower model contains two USB ports—one USB-A and one USB-C—on its front, and an LCD display gives you detailed information on battery capacity and current load. An alarm sounds when something is wrong with either the device or your setup (like the battery is low or the UPS capacity is
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