



Charging on the Road — Power Banks, Adapters and the Car

Never Hit Zero Power banks, adapters and the car to keep every device alive

————— **An Extended Guide · No. 1599** —————

Tech Made Simple. Service Made Personal.

Bill Davis — Bill's Home Tech

(330) 200-8042 · bill@billshometech.com · Atwater, Ohio

Book a visit — billshometech.com/book

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THE 60-SECOND VERSION

1. The Whole Idea in One Glance

If you remember only this page, you will still get most of the benefit.

Keeping your devices alive on a trip comes down to three things: a wall charger to fill up overnight, a pocket-sized power bank to top off during the day, and the right cables to connect them. Add a plug adapter if you are traveling overseas, and you are covered. None of it is complicated or expensive.

- Pack a wall charger and the cables that fit your devices
- Carry a power bank, a spare battery you charge the night before
- Keep the power bank in your carry-on, never a checked bag
- For the car, a charger that plugs into the dashboard socket
- Going abroad, a plug adapter changes the plug shape to fit foreign outlets

GOOD TO KNOW

A power bank is just a battery in a box. You charge it up at home, drop it in your bag, and later it charges your phone back up with no outlet in sight.

WHAT IS A POWER BANK

2. What a Power Bank Actually Is

A power bank, sometimes called a battery pack or a portable charger, is a small rechargeable battery sealed in a case about the size of a deck of cards or a chocolate bar. You fill it up from a wall outlet at home, and then it holds that power until you need it. Out and about, you plug your phone into the power bank with a cable, and it refills your phone.

Think of it as a gas can for your phone. You fill the can when you have the chance, carry it along, and pour some back into your phone whenever it runs low. There is no outlet required and nothing to set up.

WATCH OUT

You do not need to be a gadget person to use one. If you can plug a phone into a charger, you can use a power bank. It is the very same motion.

UNDERSTANDING MAH

3. What the Number on the Power Bank Means

Power banks are labeled with a number followed by the letters mAh, such as 10000 mAh or 20000 mAh. You can think of mAh simply as the size of the tank. A bigger number means more stored power, which means more refills for your phone before the bank itself runs empty.

- A small 5000 mAh bank gives roughly one full phone charge
- A 10000 mAh bank gives about two phone charges
- A 20000 mAh bank gives about four, enough for a couple of people
- Bigger banks hold more but weigh more and cost more

GOOD TO KNOW

The charges-per-bank figures are rough, because phones differ and some power is always lost to heat. Treat them as a friendly guide, not an exact promise.

PICKING A SIZE

4. Choosing the Right Size for You

The best size is the one that matches how you travel. A light traveler who just wants insurance against a dead phone is well served by a small bank. Someone keeping a phone, a tablet, and a spouse's phone going all day wants a larger one. There is no single right answer.

- Just a phone, occasional top-up: a slim 5000 to 10000 mAh bank
- Phone plus a long day of maps and photos: 10000 to 20000 mAh
- Two people or a tablet too: 20000 mAh or more
- Prefer light and pocketable over maximum capacity? Go smaller

TIP

A 10000 mAh bank is the sweet spot for most travelers. It is light enough to carry all day and holds enough to rescue a phone twice over.

AIRLINE RULES

5. Why Power Banks Must Ride in Your Carry-On

This is the one rule everyone must know, so here it is plainly. Power banks and spare batteries are not allowed in checked luggage. They must travel in your carry-on bag, in the cabin with you. This is a firm safety rule about the lithium batteries inside them, and it is the same across airlines.

The reason is that if a battery ever overheats, the crew can see it and deal with it in the cabin, which they cannot do in the cargo hold below. It is not about inconvenience; it is about everyone's safety.

WATCH OUT

Never pack a power bank in a bag you check. If you are asked to gate-check a carry-on that holds one, pull the power bank out and keep it with you in the cabin.

SIZE LIMITS IN THE AIR

6. How Big a Power Bank You Can Fly With

There is a size limit for power banks on planes, measured in a unit called watt-hours, shown as Wh. The good news is that almost every power bank a normal traveler buys is comfortably under the limit. You are allowed to carry banks rated up to 100 watt-hours with no special permission at all.

- Up to 100 Wh: allowed, no approval needed, most common banks
- 101 to 160 Wh: allowed but you need the airline's permission, limit of two
- Over 160 Wh: not allowed on the plane at all
- A typical 20000 mAh bank is around 74 Wh, well under the line

GOOD TO KNOW

The watt-hour rating is usually printed in small letters on the power bank itself. Most everyday banks fall well under 100 Wh, so you are almost certainly fine. Confirm the current airline rules before a big trip if you are unsure.

CHARGING ON THE PLANE

7. Rules About Using Banks Mid-Flight

Some airlines have added rules about using a power bank during the flight itself, not just carrying it. A few now ask that you keep the power bank in view while it is charging something, rather than tucked away in an overhead bin or deep in a bag, so a problem would be noticed right away.

Rules differ from one airline to the next, and they do change. The simplest habit is to charge your devices before you board and to keep any power bank you use during the flight out on your tray or in your seat pocket where you can see it.

TIP

Charge everything to full at the gate before boarding. Airports have charging spots at many seats, and a full phone means you may not need the power bank in the air at all.

THE WALL CHARGER

8. The Wall Charger, Your Overnight Workhorse

The wall charger is the little block that plugs into an outlet, with a cable running to your phone. It is what you use overnight at the hotel to fill everything back up: your phone, your power bank, your tablet, your watch. A good one can charge more than one thing at once.

- Look for a charger with two or more ports so you can charge several devices
- A charger that can refill your power bank overnight saves time
- Modern chargers are small, often called GaN chargers, and run cool
- One good multi-port charger can replace a tangle of separate blocks

GOOD TO KNOW

Hotel rooms never seem to have enough outlets. A single charger with three or four ports lets you refill your whole kit from one outlet overnight.

USB-C EXPLAINED

9. USB-C, the New Standard Connector

You have probably noticed that cables have changed. The newer plug, called USB-C, is a small oval that goes in either way up, so there is no fumbling to get it right. Most phones, tablets, and laptops sold in the last few years use USB-C, and it has become the common standard worldwide.

The older plugs still exist. The small flat rectangle on the charger end is called USB-A. Older iPhones used a plug called Lightning. The move to USB-C means that, more and more, a single type of cable can charge nearly everything you own.

TIP

If your devices all use USB-C, life gets simpler. You can carry fewer cables, because one kind fits the phone, the tablet, the power bank, and often the laptop too.

OLDER CABLES

10. If Your Devices Use Older Cables

Not everyone has upgraded, and that is perfectly fine. Plenty of good phones still use the older connectors. The only thing that matters is that you pack the cables that actually fit the devices you are bringing. A beautiful charger is useless if the cable will not go into your phone.

- Older iPhones use a Lightning cable, a small flat plug
- Many older Android phones use micro-USB, a tiny plug with a slanted edge
- Newer phones of both kinds use USB-C
- When in doubt, bring the cable that came with the device

WATCH OUT

Check the plug that fits your phone before you leave home. The most common travel headache is a bag full of cables, none of which fits the one device you most need to charge.

CABLE QUALITY

11. Why a Good Cable Is Worth It

Cables are not all equal, even when they look the same. A cheap, thin cable can charge slowly, work loose, or stop working after a few trips. A well-made cable charges faster and lasts for years. This is one place where spending a few dollars more pays off.

You do not need the most expensive cable on the shelf. You simply want one from a known brand, braided or thick rather than flimsy, and the right length. A cable that is too short tethers your phone awkwardly to the wall; one about three to six feet long is comfortable.

TIP

Pack one spare cable of each type you need. Cables are the thing most likely to fail or get left behind in a hotel, and a backup saves a frantic store run.

FAST CHARGING

12. Fast Charging in Plain Words

You will see chargers advertised with numbers followed by a W, such as 20W or 65W. That W stands for watts, and it is simply how fast the charger can pour power in. A higher number fills your phone faster, which is a real blessing when you have 20 minutes before you leave the hotel.

- A higher wattage charger fills a device faster
- A phone is happy with a 20W to 30W charger
- A tablet or laptop may want 45W, 65W, or more
- A charger that is faster than your device needs does no harm

GOOD TO KNOW

The charger and the device agree on a safe speed between themselves. Using a powerful charger on a small phone will not hurt it; the phone simply takes only what it can handle.

CHARGING IN THE CAR

13. Keeping Charged While You Drive

A long drive is the perfect chance to keep everything topped up, because the car itself is a rolling power source. The simplest way is a small charger that plugs into the car's 12-volt socket, the round socket that used to be the cigarette lighter, with a USB port to accept your cable.

- A 12-volt car charger plugs into the round dashboard socket
- Choose one with two ports so a driver and passenger both charge
- Newer cars have USB ports built into the dash already
- A phone mount keeps the screen in view while it charges for maps

TIP

Running your map app drains the battery faster than the car charger can always keep up on an older phone. A good, higher-wattage car charger keeps you ahead of the drain.

CAR CHARGING NOTES

14. A Few Things to Know About the Car

Car charging is easy, but a couple of small points save frustration. On many cars the dashboard socket only has power when the key is turned, so a phone left plugged into a parked, switched-off car may not charge. And the built-in USB ports in some cars charge more slowly than a proper charger in the 12-volt socket.

If you rely on your phone for navigation, the built-in port may not keep pace with a bright screen and running maps. When that happens, a dedicated car charger in the 12-volt socket usually charges faster and keeps you topped up.

WATCH OUT

Do not leave a power bank in a hot parked car for hours. Heat is hard on batteries. Bring it inside with you rather than letting it bake on a summer dashboard.

CHARGING SEVERAL DEVICES

15. Charging a Whole Kit at Once

A modern traveler carries more than a phone: a tablet, a watch, earbuds, a camera, maybe a spouse's phone too. Trying to charge them one at a time overnight is slow and fussy. The answer is a single charger with several ports, so everything fills up together from one outlet.

- 1 Pack one multi-port wall charger instead of several single blocks
- 2 Each night, plug it into the hotel outlet
- 3 Connect the phone, the tablet, and the power bank to its ports
- 4 Wake up to a fully charged kit, ready for the day

GOOD TO KNOW

When several devices share one charger, each may charge a touch slower than if it had the charger to itself. Overnight that makes no difference; everything is full by morning.

A LONG TRAVEL DAY

16. Keeping Your Phone Alive All Day

A long travel day is where phones go to die: hours of maps, boarding passes, photos, and texts, often with no outlet in sight. A little strategy keeps you from hitting zero at the worst moment. Start full, carry a charged power bank, and stretch the battery with a few simple habits.

- Charge the phone and the power bank to full the night before
- Turn down screen brightness and use Low Power or Battery Saver mode
- Top up at any outlet you pass, even for a few minutes
- Close apps you are not using and dim the screen in bright sun

TIP

Turn on Low Power Mode, which on an iPhone is in Settings under Battery and on Android is called Battery Saver. It quietly stretches a fading battery for hours more when you need it most.

BATTERY SAVER MODE

17. The Battery-Stretching Switch

Every modern phone has a special mode that squeezes more life out of a low battery. It dims the screen a little, slows some background activity, and pauses things you will not miss. You lose nothing important, and you can gain a surprising amount of extra time.

- 1 On an iPhone: open Settings, tap Battery, and turn on Low Power Mode
- 2 On Android: swipe down for quick settings and tap the Battery Saver icon
- 3 A yellow or colored battery icon shows it is on
- 4 It often turns on by itself when the battery gets very low

GOOD TO KNOW

You can leave this mode on all day on a travel day if you like. The small trade-offs are easy to live with, and the extra hours of battery are worth it.

WIRELESS CHARGING

18. Charging Without Plugging In

Many newer phones can charge by simply resting on a pad, with no cable plugged in. This is called wireless charging. Some power banks offer it too, letting you set the phone on top of the bank and tuck both in a pocket. It is convenient, though it tends to charge a little slower than a cable.

- The phone rests on a pad or on a wireless power bank to charge
- No cable to plug in, handy on a nightstand or a seat tray
- It charges a bit slower and makes a little more heat than a cable
- Not every phone supports it; a cable always works on every phone

TIP

Wireless charging is a nice extra, not a must. For travel, a cable is faster and more reliable. Think of wireless as the easy option for an overnight top-up.

GOING ABROAD

19. The Overseas Question: Plugs and Power

Traveling to another country brings two separate worries that people often mix up. The first is the shape of the wall outlet, which really is different abroad. The second is the strength of the electricity, which is also different in much of the world. Understanding that these are two different things is the key to charging safely overseas.

The outlet shape is solved by a plug adapter, a cheap little piece that makes your plug fit their socket. The strength of the electricity is handled differently, and most of your devices take care of it on their own. The next two pages explain each in plain terms.

GOOD TO KNOW

Mixing these two up leads to buying the wrong thing. For charging phones, tablets, and laptops, you almost always need only a plug adapter, not the heavier, pricier voltage converter.

PLUG ADAPTERS

20. Plug Adapters Change the Shape

A plug adapter is a small shell that your charger plugs into, with foreign-shaped prongs on the other side so it fits the local wall socket. That is all it does: it changes the shape of the plug. It does not change the electricity itself in any way. For charging modern devices, this is usually the only thing you need.

- It simply makes your plug fit a foreign-shaped outlet
- Different regions use different shapes, so check your destination
- A universal adapter has sliding prongs to fit most countries
- Many now include USB ports, so you can charge without your own block

TIP

A single universal adapter that handles most of the world, with a couple of USB ports built in, is the one travel accessory worth owning. It covers nearly any trip you will take.

VOLTAGE EXPLAINED

21. Voltage, and Why Your Charger Usually Copes

The strength of household electricity is measured in volts. Homes in the United States run at about 120 volts, while much of Europe, Asia, and the rest of the world runs at about 220 to 240 volts, roughly double. That difference is what could, in theory, harm a device. The happy news is that nearly all phone, tablet, and laptop chargers are built to handle both.

These chargers are called dual voltage or multi-voltage, and they adjust themselves automatically. You do not flip a switch or do anything; the charger simply accepts whatever it is given, anywhere in the world. That is why a plug adapter alone is usually enough.

GOOD TO KNOW

Look at the fine print on your charger. If it reads something like INPUT 100-240V, it works everywhere in the world and needs only a plug adapter to fit the socket.

CONVERTERS

22. When You Need a Voltage Converter

A voltage converter is a heavier, pricier box that actually changes the strength of the electricity, stepping foreign 240 volts down to the 120 volts an American appliance expects. You need one only for devices that are not dual voltage, which almost always means things that make heat or run a motor, not your phone or laptop chargers.

- Needed for single-voltage heat and motor gadgets
- Hair dryers, curling irons, and some electric razors are the usual culprits
- Phone, tablet, and laptop chargers almost never need one
- A converter is bulkier and heavier than a simple plug adapter

WATCH OUT

Plugging a 120-volt-only hair dryer into a 240-volt outlet with just a plug adapter can ruin it instantly, sometimes with a puff of smoke. Check the label, and when in doubt leave the heat gadget at home and use the hotel's.

READING THE LABEL

23. The Little Label That Tells You Everything

Every charger and gadget has a tiny printed label, usually on the plug block or the bottom of the device. Learning to read one line of it answers the whole adapter-versus-converter question. Look for the word INPUT and the voltage range beside it.

- 1 Find the small print on the charger or device
- 2 Look for INPUT followed by a voltage
- 3 If it says 100-240V, it works worldwide with just a plug adapter
- 4 If it says only 120V, you need a voltage converter, or leave it home

TIP

Spend five minutes before a trip reading the labels on everything you plan to bring. It is the surest way to know you will not fry a device on day one.

WHAT TO PACK

24. Building Your Simple Charging Kit

You do not need a suitcase of gadgets. A tidy little kit in one pouch covers nearly every trip, keeps your cables from tangling, and means you are never hunting for the right piece. Here is a sensible starting point.

- One multi-port wall charger, labeled 100-240V for overseas use
- A power bank of about 10000 mAh, charged before you leave
- One good cable per device, plus one spare of each type
- A car charger for the dashboard socket
- A universal plug adapter if you are going abroad

GOOD TO KNOW

Keep the whole kit in one small zip pouch. Packing it the same way every time means you will notice at a glance if a cable is missing before you leave, not after.

BUYING SAFELY

25. Buying Chargers and Banks Without Getting Fooled

Because these are popular, the shelves and websites are full of cheap, no-name gear, some of it poorly made. A bargain power bank that overheats or a cable that frays is not worth the few dollars saved. A few simple habits keep you with the good stuff.

- Buy from a known brand and a reputable store or website
- Be wary of a power bank that is far cheaper than all the others
- Look for a bank that lists its watt-hour rating clearly
- Avoid chargers from sellers you have never heard of

WATCH OUT

A power bank is a battery, and a poorly made one can overheat. This is a place to pay a little more for a trusted name rather than gamble on the cheapest option you can find.

CARING FOR A BANK

26. Keeping a Power Bank Healthy

A good power bank lasts for years if you treat it kindly. The main enemies are extreme heat, extreme cold, and letting it sit bone dry for months. A little care keeps it ready whenever you need it.

- Top it up every so often, even when not traveling, so it stays healthy
- Keep it out of hot cars and freezing cold
- Charge it the night before any trip so it is full when you leave
- If it ever swells, gets hot, or smells, stop using it

TIP

Set a gentle habit of recharging your power bank the same evening you charge your phone before a trip. A full bank you forgot to charge is no help at the airport.

AT THE AIRPORT

27. Finding Power at the Airport

Airports have gotten much better about outlets. Many gate areas now have power right at the seats, and charging stations dot the terminals. Use them. A few minutes plugged in at the gate can mean the difference between a full phone and a dead one when you land.

- Look for outlets and USB ports built into gate seating
- Charging towers and stations stand near many gates
- Top up while you wait, even if your battery is only a little low
- Your own charger plugged into a wall outlet charges faster than a shared tower

GOOD TO KNOW

If you use a public USB charging port, it is a small extra measure of safety to use your own wall charger and a regular outlet instead, or a cable made for charging only. Bill's guide on staying safe on the road explains why.

HOTEL OUTLETS

28. Making the Most of Hotel Outlets

Hotel rooms are famous for hiding their outlets behind the bed or leaving you just one free socket. This is exactly why a multi-port charger shines. One block in one outlet charges everything you own overnight, and you wake up to a full kit.

- Look behind the nightstand and on the desk for free outlets
- Lamps often have an outlet or USB port in their base
- A multi-port charger turns one outlet into four
- Pack a tiny, inexpensive extension or power strip if you carry a lot

WATCH OUT

Set your charging kit up on the nightstand the moment you arrive, before you unpack anything else. Then it is charging all evening and you never forget it in the morning rush.

CRUISES AND TRAINS

29. Charging on a Cruise or a Train

Cruise cabins and train seats have their own quirks. Cruise ships often use the same outlets as the ship's home country, which may differ from yours, and they sometimes limit power strips for safety. Trains may have a single outlet per pair of seats, or none in some cars.

- On a cruise, check what outlet shape the cabin uses and pack an adapter
- Cruise lines often ban surge-protected power strips; a plain one may be allowed
- On a train, a power bank covers you when no outlet is handy
- Charge fully in your cabin or hotel before a long day out

GOOD TO KNOW

A power bank is the great equalizer on any trip. Whether the outlet is foreign, scarce, or missing entirely, a charged bank in your bag keeps your phone alive.

WHAT NOT TO DO

30. A Few Things to Avoid

Most charging mishaps come from a handful of easy-to-avoid mistakes. Steering clear of them keeps your gear safe and your trip smooth.

- Do not pack a power bank in a checked bag; it must stay with you
- Do not use a plug adapter alone on a 120-volt-only heat gadget abroad
- Do not leave batteries baking in a hot car
- Do not rely on a frayed or damaged cable; replace it

WATCH OUT

If any charger, cable, or battery ever feels unusually hot, smells odd, or looks swollen or scorched, stop using it at once and set it somewhere safe away from anything that can burn.

COMMON WORRIES

31. The Questions Travelers Ask Me Most

A few worries come up again and again, and the answers are reassuring.

- Will a stronger charger hurt my phone? No, the phone takes only what it needs
- Can I fly with a power bank? Yes, in your carry-on, under 100 Wh
- Do I need a converter for my phone abroad? No, just a plug adapter
- Can I charge a tablet and phone at once? Yes, with a multi-port charger

GOOD TO KNOW

The single most common travel mistake is forgetting to charge the power bank itself. An empty power bank is just a paperweight. Charge it the night before, every time.

A SMOOTH ROUTINE

32. A Gentle Charging Routine for Any Trip

Travelers who never run out of power build a small, calm habit around it. None of it is hard, and it quickly becomes as automatic as locking the front door on your way out.

- Night before: charge the phone and the power bank to full
- Morning of: pack the charging pouch and the power bank in your carry-on
- On the move: top up at any outlet you pass
- Each evening: set the kit on the nightstand to refill overnight

WATCH OUT

Tie charging the power bank to charging your phone each night. Do them together and you will never reach for a dead bank when you need it.

FOR A SPOUSE

33. Setting a Travel Partner Up Too

In many couples, one person packs all the tech. It is worth setting your travel partner up with their own simple kit, so a dead phone is never a crisis and you are not the only charger in the family. It also means two power banks between you, which is cheap insurance on a long day.

Keep it simple for them: their cable, a small power bank charged and ready, and a note of which way the plug goes. One gentle walk-through at the kitchen table and they are set.

TIP

Label each person's cables and bank with a bit of colored tape. It saves a lot of good-natured squabbling over whose charger is whose in the hotel room.

SOLAR AND EXTRAS

34. Solar Chargers and Other Extras

You may see solar chargers, hand-crank chargers, and giant power stations advertised for travel. For most trips, these are more than you need. A solar panel charges slowly and only in strong sun, and a big power station is heavy. They have their place for serious camping or off-grid travel, not a typical flight or road trip.

For almost every traveler, a good wall charger, a pocket power bank, and a car charger cover every situation you will actually meet. Do not let the fancy gear tempt you into carrying weight you will never use.

GOOD TO KNOW

If you are headed somewhere truly remote with no outlets for days, that is the time to consider solar or a larger power station. For a cruise or a city trip, keep it simple.

EV AND CARS

35. A Word on Newer Cars

Newer cars, including electric ones, often have several USB ports and sometimes a regular household-style outlet built in. These are handy, but they vary a lot from car to car. A rental car may have fast ports or slow ones, and you cannot know until you are in the driver's seat.

For that reason, still pack your own car charger for the 12-volt socket. It guarantees you a known, fast charge no matter what car you end up driving, and it costs only a few dollars.

TIP

In a rental, glance around the dash and center console for USB ports before you pull out. If they are slow or missing, your own 12-volt charger saves the day.

YOUR CHECKLIST

36. Your Pre-Trip Charging Checklist

Run through this short list the night before you travel and nothing will run flat on you.

- Phone and power bank both charged to full
- Multi-port wall charger packed, marked 100-240V for abroad
- One cable per device, plus a spare of each type
- Car charger for the dashboard socket
- Universal plug adapter if going overseas
- Power bank in the carry-on, never the checked bag

GOOD TO KNOW

Pack the whole kit in one pouch and charge the batteries the evening before. A calm few minutes at home means a worry-free travel day.

SMARTWATCHES

37. Charging a Watch and Earbuds

A smartwatch and a set of wireless earbuds each need their own charging, and both are easy to forget. A watch usually charges on a little magnetic puck made just for it, and earbuds charge inside their own small case. Neither uses the same cable as your phone, which is exactly why they get left behind.

- Pack the watch's own charging puck or cable; nothing else fits
- The earbud case charges with a normal cable, often USB-C
- A watch often lasts a day or two, so it needs charging less often
- Charge the earbud case overnight so it keeps the buds topped up

WATCH OUT

Keep the watch charger in your charging pouch permanently so it travels with you by default. A watch charger is the single most commonly forgotten travel item.

MEDICAL DEVICES

38. Keeping a Medical Device Powered

If you rely on a device like a sleep machine, a hearing aid charger, or a glucose monitor, its power is not a convenience but a necessity. These deserve extra planning. Know exactly how each one charges, pack its proper charger, and think about what you would do if an outlet failed at the wrong moment.

- Pack the exact charger each medical device needs
- For overseas, check whether the device is dual voltage on its label
- Consider a power bank that can run or charge the device in a pinch
- Keep medical chargers in your carry-on, with the device itself

WATCH OUT

For a sleep machine or other health device going abroad, confirm with the maker what it needs before you travel. Guessing with the wrong adapter or converter is not worth the risk with something you depend on.

KNOWING YOUR LAPTOP

39. What a Laptop Needs to Charge

Laptops are hungrier than phones, and a small phone charger may charge a laptop very slowly or not at all. Many newer laptops charge through USB-C, which is wonderful because one good charger can then handle the laptop and the phone both. Older laptops often need their own special charger with a round barrel plug.

- A USB-C laptop can share a strong charger with your phone
- Check your laptop's wattage; many want 45W, 65W, or more
- An older laptop with a barrel plug needs its own charger
- A charger that is too weak may only trickle-charge a laptop

GOOD TO KNOW

If your laptop charges by USB-C, a single high-wattage GaN charger can replace both your laptop brick and your phone charger, saving real space and weight in your bag.

TANGLE-FREE

40. Keeping Cables Tidy and Findable

A knot of cables at the bottom of a bag is a daily frustration, and it is how cables get damaged and lost. A few cheap habits keep everything tidy, so you can grab the right cable in a second instead of untangling a nest in the dark of a hotel room.

- Coil each cable and secure it with a small velcro strap or twist tie
- Keep all charging gear in one dedicated zip pouch
- Use short cables for the power bank and longer ones for the wall
- A bit of colored tape tells whose cable is whose at a glance

WATCH OUT

A small pouch that stays packed with your charging kit means you never assemble it from scratch. Grab the pouch, and you know everything is there.

TOPPING UP THE BANK

41. Keeping the Power Bank Itself Full

A power bank can only give what it holds, so its own charge is the thing to watch. Most banks show their level with a row of little lights or a small number when you press a button. A glance tells you whether it is ready to rescue your phone or needs a refill first.

- 1 Press the button on the bank to see its charge level
- 2 Plug the bank into your wall charger to refill it
- 3 A large bank can take a few hours to fill completely
- 4 Top it up each night so it is always ready the next day

GOOD TO KNOW

A big power bank takes longer to fill than a phone does, so start it early in the evening. Waiting until bedtime may leave it only half full by morning.

WHEN TO CALL

42. When It Is Worth Calling Me

Most people can put a charging kit together once they know the few plain rules in this guide. But if you are not sure which charger or cable fits your devices, which power bank to buy, or what you will need for a particular country, that is exactly what I am here for. Bill's Home Tech serves Portage County, and a first in-home visit is a flat \$99.

TIP

Call me at (330) 200-8042 or ask Sophie, my phone helper. I can help you build a simple travel charging kit, show you how to read the labels, and make sure you are set for any trip, near or far.

CHEAT SHEET

Everyday Cheat Sheet

Keep this page handy for your trip. It is the short answer to the questions travelers ask most about charging on the road.

- Charge the phone and the power bank to full the night before
- Power banks ride in your carry-on, never a checked bag
- Most banks under 100 Wh fly with no special permission
- Pack a multi-port wall charger and a cable for each device
- Use Low Power or Battery Saver mode to stretch a fading phone
- Abroad, a plug adapter changes the shape; a converter changes the voltage
- Phone and laptop chargers labeled 100-240V need only a plug adapter
- A 12-volt car charger keeps you topped up on long drives
- Get help: call Bill at (330) 200-8042

AT A GLANCE

A Picture to Follow Along

Adapter Versus Converter

Two different jobs people often mix up.

Plug Adapter

Changes plug shape
Leaves voltage alone
For phones and laptops

Voltage Converter

Changes the voltage
Heavier and pricier
For heat and motors

Check the Label

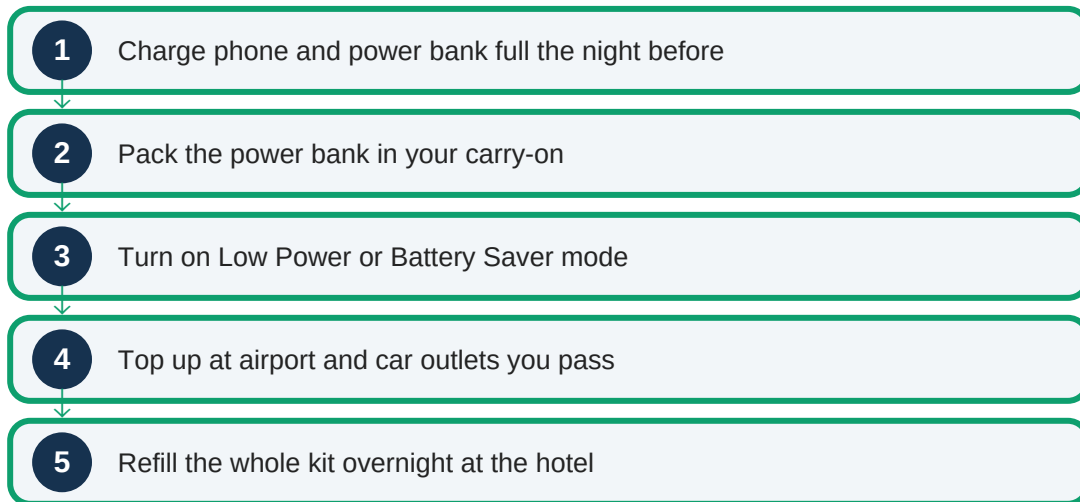
Reads 100-240V
Works worldwide
Needs adapter only

AT A GLANCE

A Second Look

Never Hit Zero on a Travel Day

A simple rhythm that keeps every device alive.



BEFORE YOU GO

A Note From Bill

A quick note from Bill. I write these guides to make home tech a little less frustrating, and I do my best to keep every step accurate and up to date. Still, every home, device, and setup is a bit different, so I can't promise a guide will match yours exactly or fix your particular problem. These guides are for general information only — they're not professional, legal, or financial advice, and they don't replace your device's own manual or the manufacturer's instructions. Please go slow, use your own good judgment, and use everything here at your own risk. If a step involves electrical wiring, a gas appliance, a water heater, plumbing, or climbing a ladder — or if anything just doesn't feel safe — please stop and call a licensed professional (or give me a call at 330-200-8042). Bill's Home Tech and Bill Davis can't be responsible for any damage, data loss, or injury that results.



HOW I CAN HELP

Your Visit — and My Promise

In-home visit — \$99 flat for your first visit. No contracts and no surprise charges, and a 30-day follow-up is included.

Remote Support — \$49 for a screen-share session. I only connect with your permission, you watch the whole time, and you can end anytime. If I can't fix it over the screen-share, I refund the \$49 — and if it turns out you need me in person, that \$49 goes toward your visit. It's included free for Support Plan members (\$39/mo).

GOOD TO KNOW

My promise — If you're not 100% satisfied with your visit, I'll come back at no charge, or refund the full \$99. No questions, no awkwardness. That's how I'd want to be treated.

Call or text **(330) 200-8042** · Book a visit: **billshometech.com/book** · **bill@billshometech.com**

This free guide is for general information only — not professional advice, and no substitute for your device's own manual. Any prices or outside products mentioned can change; please confirm current details before you buy. Please use your own good judgment and follow it at your own risk — for anything involving electricity, gas, water, or heights, stop and call a licensed professional. Bill's Home Tech and Bill Davis can't be responsible for any damage, data loss, or injury that results. © 2026 Bill's Home Tech, LLC.