

# Can a 12v inverter be connected to a 19v one

What is 12 V to 19 V converter circuit?

The main application of this circuit could be for the charging of a laptop battery from a car battery, The 12 V to 19 V converter circuit diagram can be seen in the following figure. The working principle is actually very straightforward. A free-running astable oscillator is employed to operate a voltage doubler circuit.

Should I use a 12V or an inverter?

Should you use 12v or an Inverter? Almost every electrical device you can take in your campervan can be powered directly from your 12v battery rather than needing an a/c inverter, or an alternative can be found, like a toast rack for your hob instead of an electric toaster.

Should I use an inverter?

For example using an inverter to power your TV, Laptop or to charge your phone or tablet is like pushing a car to and from the shops just to pick up some milk. An inverter can be just as much a waste of the energy in your 12v battery.

Should I use 240V vs 19V?

It should be less efficient to create 240V and then step it down. You'll have heat from the inverter and heat from the power supply. I'd put a 19V step up on. I use both types on the boat but now that I'm back in the UK I'm really struggling to find a decent DC-DC laptop adapter that comes with a good rep.

How much power does a Finlux 19 watt inverter use?

the Finlux 19" is 12v and only 20watt.. it is supplied with a 230v/12vdc brick.. Edit .. just for interest.. also, many use a generic 230v/12vdc brick.. so keeps costs down.. A 12v one is a better bet if only because inverters aren't efficient. Stepping 12v up to 230v and then back down to 12v again seems pointless if you don't have to.

Will a 19V adapter damage a TV?

If the adapter says 19V, it will always provide 19V and (probably) damage the TV. It's current that gets the 'up to' on its spec, in general. No, don't use it! The power supply unit (PSU) will supply 19V and will probably damage the load.

Originally, the charger specs are 19v and 1.58A. This charger is not available anymore and I can only find a 19v and 2.15A. ... As long as the voltage matches that expected by the connected device, then yes, you can use an AC adapter capable of providing higher amps. ... it is a longer road test and my battery runs low and sometimes the bus or ...

Or look into one of those power banks which have inverter and/or 12v / 24v outputs If you can find a travel



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adapter or car adapter that powers the laptop from the cigarette lighter for example, then you could use that with such battery bank to get better efficiency and much longer lifetime I'm talking about devices like these: <https://>

It's pretty complicated to turn DC into AC. It involves switching a DC square wave and varying the duty cycle sinusoidally and then filtering out the high frequency square waves leaving only the low frequency fundamental sine-wave. You could go see if you can't find an DC-AC inverter to buy...might be able to find a small one that runs off 19V.

We use a 2000w inverter, <https://amzn.to/37Xkkdj>. You can get usb sockets directly powered off your 12v electrics. Most TVs have a power adapter that converts mains power (240 or 110v) to 12 to 19v which means ...

Some laptops can run off variable power sources, usually older ones. DC-DC adapters lose 20% in their basic conversion from 12V to 19V.(Tested myself with multimeter), vs 40+% or more to power 110V inverter to run AC adapter to output 19VDC.

I'm interested to know which is more efficient: a small inverter (drawing around 0.4amps on standby) or one of those laptop 12v to 19v DC-DC cigarette adaptors? It should be less efficient to create 240V and then step it down. You'll have heat from the inverter and heat ...

Commonly the latter have 12V or 24V LED lighting and fans already, but they have a Dell or Lenovo laptop that won't run on just any old 19V, they need the special name brand AC ...

I have 4 X 150watt run in parallel i.e 600watt and 2X200ah/12v batteries also connected in parallel. 1000watt inverter/12v During the installation, I connected 12/24v/40ah(pwm) charge controller on the batteries and was running fine. The moment I connected the first leg of the wire from the panels the charge controller blown off

Using an inverter is a popular method for powering laptops with a 12V DC power source. An inverter is a device that converts the 12V DC power from a car's battery or other portable power sources into standard 120V AC power that is used by most laptop chargers. This allows you to use your laptop charger as you would at home, without needing a ...

A quality 12V pure sine wave inverter suitable for mobile or permanent power installations. ... one dc dc inverter to invert 12 to 19V for a laptop, I personally selected a 12 cordless drill then wired it, no ...

Renogy 3000W Pure Sine Wave Inverter 12V DC to 120V AC Converter for Home, RV, Truck, Off-Grid Solar Power Inverter with Built-in 5V/2.1A USB, AC Hardwire Port, Remote Controller Amazon -9% \$57.20 \$62.99

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Q: Can a 12V inverter be used to charge a 19V laptop? A: In general, a 12V inverter cannot be used to charge a 19V laptop directly, as the output voltage of the inverter should match the input voltage required by the device. If you want to use a 12V inverter to charge a laptop, you may need an adapter or transformer converter, but it is ...

Hi Monty yes you can use a 19v tv in your motorhome, we are using an LG smart TV (28" quote;) like the one your on about getting, simply buy a 12v to 19v converter off ebay, i think ours was about £20, it works great, although the LG isnt full Android just an altered version, i think i might go for full android, you can still watch etc on all ...

In this post I have explained how to build a simple 12 V to 19 V boost converter circuit which can used to charge a 19 V battery from a 12 V car battery. The main application of this circuit could be for the charging of a ...

coupled and synchronized inverters connected to one battery. With synchronized inverters, you can create 3-phase systems. This is not possible with separate inverters. ... So you can only have a 240W inverter on ...

It's got an external power brick of that helps. Many thanks! If the TV needs 19V feed then you need some kind of boost converter for the 12V source (which is often inefficient ...

All depends, A 19V brushless DC fan would likely work, A Laptop may charge the battery at greatly reduced rate or not. A TV - nope. Best bet, get a decent quality PSW inverter ...

A 12v one is a better bet if only because inverters aren't efficient. Stepping 12v up to 230v and then back down to 12v again seems pointless if you don't have to.

The inverter through the inverter and power brick wastes power twice, the power adaptor has only one incident of power loss, it is more efficient to run the laptop through an adaptor than an inverter. In addition I have had a couple of computers that would not run from one of the Jaycar inverters. \_\_\_\_\_

If you have 12v tools, or can take a 30% power drop on an 18v tool, ... My plan was to get a 19v DC converter to run the laptop but havent bought one yet. I have a small 150watt inverter I use for charging iPhone and other small devices as their draw was too small to kick on the main inverter. Pretty sure it is MSW too.

On the back of the TV it has a rating of around 2.5amps at 19v. I'm interested to know which is more efficient: a small inverter (drawing around 0.4amps on standby) or one of those laptop 12v to 19v DC-DC cigarette adaptors?

The power source for the 12V inverter can be used with a 12V battery or several 12V batteries in parallel to increase the battery's power supply time. 3 verter must be connected to the same nominal voltage of the



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battery, 12V inverter connected to the 12V battery, 24V inverter connected to the 24V battery

If you have an AC adapter, you could probably pick up a small power inverter for \$50 or less, that would work. You could make a 12v-19v adapter yourself, but God knows if it ...

Can I make a cable that terminates with the appropriate fitting for the TV input and a 12V lighter socket plug? Wouldn't the lack of current regulation fry the TV in an instant? My lighter socket has a 20A fuse. I know I could change it to a smaller one; but unless I am mistaken, a fuse does not regulate current, only prevents over-current ...

How Can I Convert 24V to 12V for My Inverter Setup? You can convert 24V to 12V for your inverter setup by using a DC-DC converter or by wiring batteries in a specific series and parallel configuration. Here is a detailed explanation of these methods: DC-DC Converter: This device steps down the voltage from 24V to 12V. It operates by using ...

I have a small TV which expects 12V DC at 34W. Can I use an adapter with a higher voltage rating (19V for example) as long as it can provide enough amps to satisfy the ...

I wanna charge a Dell Latitude E6500 laptop from the cigarette socket (12V), and have now tried two Vanson laptop adapters (SDR-100W and SDR-120W). Both deliver a weak beeping and does not charge the laptop ...

Actually years later USB type c now has a power delivery rating of 100w. This translates to 19v(or was it 20v) at 5A. It should be easy to get that down to 12v with a simple resistor or converter. You have to do your research carefully as many USB type C plugs don't offer the full 100w. So you have to shop around until you find one that does.

Renogy 3000W Pure Sine Wave Inverter 12V DC to 120V AC Converter for Home, RV, Truck, Off-Grid Solar Power Inverter with Built-in 5V/2.1A USB, AC Hardwire Port, Remote Controller Amazon \$41.97 (\$0.87 / Ounce)

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