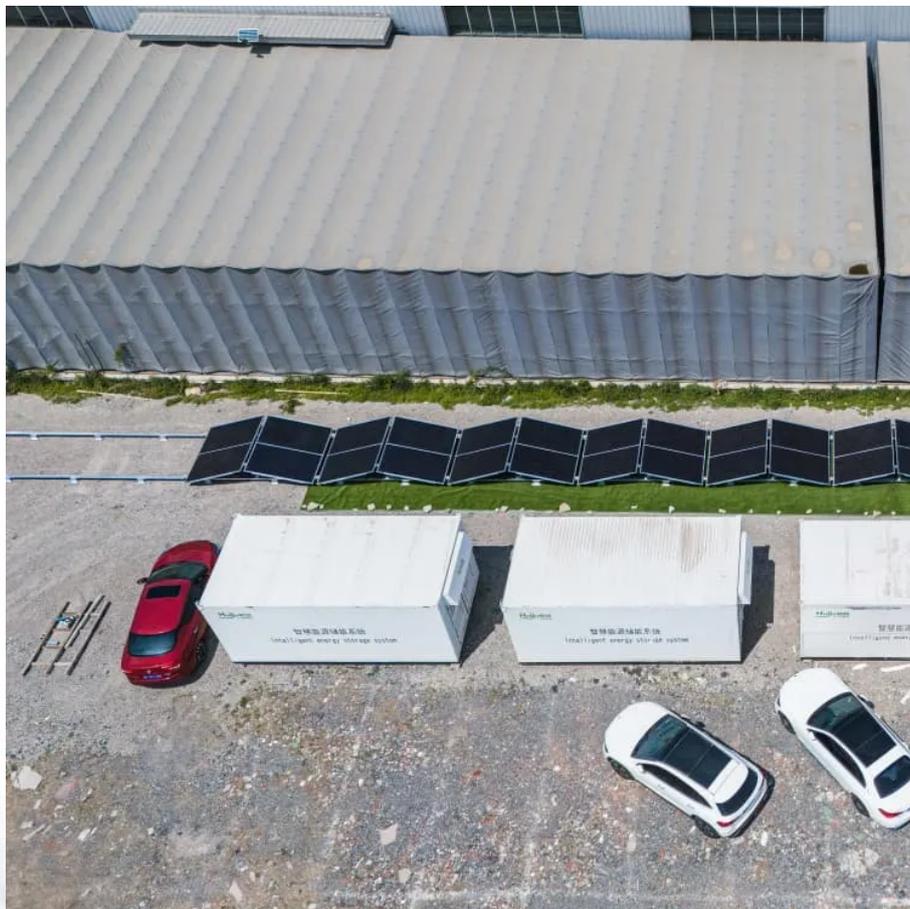


Kongres Container

How many amps should be reserved for the base station power module



Overview

A 25 to 30 amp continuous rated supply is a good balance between cost and the power you'll likely need. Some good examples of switching supplies in the 25-30 amp range are the Samlex SEC-1235, Alinco DM-430T, and the Astron SS-30M.

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Most 30 amp power supplies are only rated between 22 and 25 amps continuous. IF you are only connecting one radio (up to 50 watts) to the power supply then any 30 amp supply will work. I have several power supplies; an old Astron 30 Amp, two R&L Electronics brand 30 Amp supplies, and a Tek-Power 50.

To minimize shock hazard, the station equipment cabinet must be connected to an electrical ground. The equipment supplied is equipped with a three-conductor AC power cord. The power cord must be plugged into an approved three-con- tact electrical outlet with the grounding wire firmly con- nected to.

It doesn't cut out or anything like that but I've heard I should be using more like 13.8v 30amps. I have 3 vehicles so I don't spend much time in any of them. That being said I figured I'd get most use from using it at home. Is my 12v 5amp holding me back?

If so what do you guys use. 13.8v and 30a.

Is it typically acceptable to use a basic wall outlet for most power supplies, I'm thinking around 35 amps at the most for the supply. Is it a better idea to have a dedicated circuit for a supply like this to come straight from the meter panel?

In my home every room is on its own circuit and each.

This radio on idle receive draws over two amps, which is more than an amp more than my Icom IC-7300 pulled. On full duty cycle transmit, the IC-7610 draws over 20 amps at full power. This resulted in my previous power supply failing to provide enough power and my rig powering off. When looking for.

If you're running a VHF/UHF transceiver at home, especially a high-powered one, you're going to need a significant amount of current. Typically you'll need a minimum of 15 amps for high-power transceivers (50-80W) and at least 10 amps for medium-power radios (25-40W). Check the recommendations in. How many amps should a power supply have?

If connecting multiple radios, add up the total amps of all the radios during peak load combined. For example, let's say you have a 50 watt radio and the maximum draw is listed at 10 amps. Buying a power supply advertised with a peak load of 10 amps might still be a bad move. First, power supplies have two amp ratings: continuous and maximum.

Can a mobile radio be used as a base station?

Of course, there is a little matter of power. A mobile radio is specifically designed to operate on DC power from a vehicle. It has no internal power transformer or inverter of its own, so it isn't made to plug into the AC wall outlet of a home or office building. In that case, how do you power a mobile radio for use as a base station?

That's easy.

How do I choose the right size power supply for my Radio?

To the average layperson, all this sounds overly complicated. So to simplify the process, here are some general guidelines for choosing the right size power supply for your radio. Use the manufacturer's amp rating of the radio as the rule. Use the maximum, or peak load rating of the radio, not the standby or typical draw.

Should I buy a power supply with a peak load of 10 amps?

Buying a power supply advertised with a peak load of 10 amps might still be a bad move. First, power supplies have two amp ratings: continuous and maximum. The continuous rating is usually the number that you want to look for. Also consider the load.

How do I convert my mobile radio into a base station?

Simply put, to convert your mobile two way radio into a base station, we recommend that you buy a higher amp power supply than is absolutely needed. When it comes to power, you can't over buy. If in doubt, go bigger. At the end of the day, you'll be glad you did.

How much power do you need for a HF radio?

Typically you'll need a minimum of 15 amps for high-power transceivers (50-80W) and at least 10 amps for medium-power radios (25-40W). Check the recommendations in your radio's manual for specific requirements. As you step up to HF radios with higher wattage, you'll need larger power supplies.

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