

Question: What size power supply do I need when installing CCTV cameras?

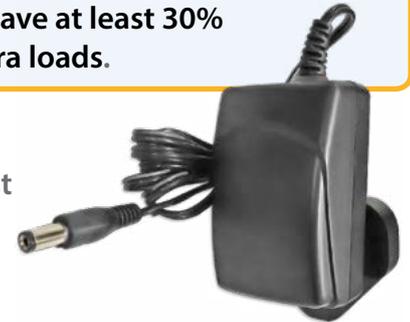
Answer: The most important thing when choosing a power supply is to leave at least 30% headroom on top of the device's current consumption. This allows for extra loads.

The most important thing when choosing a power supply is to leave at least 30% headroom on top of the device's current consumption. This allows for extra loads such as IR LEDs and heater kits.

If a camera draws for example 250mA, play safe and choose a 500mA PSU.

If you were to power a 250mA camera with a 250mA PSU you would find that the PSU and/or the camera would not last for very long.

You should *never* run a PSU at its maximum rating continuously. It would be like driving a car at its top speed all the time without expecting something to give.

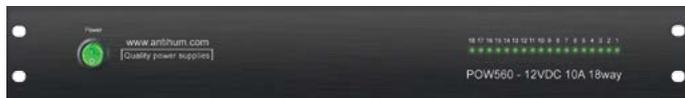


POW150
12V DC 500mA PSU

Better Safe Than Sorry!

It's better to be overly cautious when choosing a PSU. If, for example, you powered a 50mA device with a 500mA PSU, there would be no risk of damage to the PSU or device.

The device will only draw as much power as it requires, not the full 500mA.



POW560 - 18 Way 12V DC 10A Rack Mount PSU

Current Rating	Min Recommended PSU
50mA	100mA
100mA	150mA
150mA	250mA
200mA	300mA
250mA	400mA
300mA	450mA
350mA	500mA
400mA	600mA
450mA	650mA
500mA	750mA

It All Adds Up! +++

Remember, when powering multiple devices from a single PSU you need to add together the maximum current consumption of each device. You then need to add at least 30% headroom on top of the total current consumption.

This CCTV installation tip is aimed at helping you to install CCTV equipment. If you are looking for answers on "how to fit CCTV" or perhaps "how to network a DVR or NVR" or even "how to get CCTV on your mobile phone" why not check out our full range of CCTV installation tips at: www.systemq.com

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