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Apple III and ProFile: Running Them on an Inverter (10/94)

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TOPIC -----

Can I run my Apple /// and ProFile on an inverter?

DISCUSSION -----

The Apple III and ProFile may both be run on an inverter that produces either a square or a sinusoidal wave.

The Apple III itself works on an inverter without any problems, as long as the inverter has sufficient current capacity. The Apple III has a switching power supply and will therefore tolerate power fluctuations and line noise without any trouble, as long as it's receiving a minimum of 95 volts.

The ProFile, on the other hand, is somewhat more sensitive to power fluctuations and line noise. If you use your ProFile with an inverter that produces a square wave, take care that:

1. Make sure that the inverter can supply at least 8 amps, since 5 amps is the minimum power required to start up the ProFile.
2. If you wish to use square-wave power, which is by nature quite noisy, use a noise suppression kit so that no unnecessary noise reaches the ProFile power supply and prevents the ProFile from coming Ready. Your noise suppressor must have a minimum capacity of 10 amps.

NOTE:

You can avoid the necessity of noise suppressors by running your ProFile on DC power if you wish. To do so, however, you will need to regulate the +12V from a car battery, as well as generate and regulate +5V and -12V.

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