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PowerBook 5300 & 190: Acceptable Voltage Input Variation 10/95

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TOPIC -----

What is the "actual voltage range" output from the power adapter/charger into PowerBook 5300 and PowerBook 190?

DISCUSSION -----

The output voltage from the PowerBook 5300 and 190 adapter into the PowerBook according to the label on the adaptor is:

DC Out 24V, 1.88A

The specification for the wall adapter is 24 volts $\pm 10\%$ at the connector tip, or stated another way, at the DC input jack on the back of the PowerBook. Less voltage than that may prevent the battery charger from fully charging Nickel-Metal Hydride batteries. However, no damage should occur to the PowerBook if it is run at this lower voltage.

If you are not concerned about charging batteries, you could drop down to 15 volts. However, the unit may interpret the lower voltage to indicate it is running from a battery and respond accordingly. Some power management software may not function properly, but you should not experience any operational problems.

Apple does not recommend using power supplies other than those designed for your given PowerBook model.

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