
The power supply

The power supply in the Apple IIe operates on normal household AC power and provides enough low-voltage electrical power for the built-in electronics plus a full complement of peripheral cards, including disk controller cards and communications interfaces. The basic specifications of the power supply are listed in Table 7-2.

The Apple IIe's power cord should be plugged into a three-wire 110- to 120-volt outlet. You must connect the Apple IIe to a grounded outlet or to a good earth ground. In addition, the line voltage must be in the range given in Table 7-2. If you try to operate the Apple IIe from a power source with more than 127 volts AC, you will damage the power supply.

Table 7-2
Power supply specifications

Line voltage	97 to 127VAC
Maximum power consumption	60W continuous 80W intermittent*
Supply voltages	+5V $\pm 3\%$ +11.8V $\pm 6\%$ -5.2V $\pm 10\%$ -12V $\pm 10\%$
Maximum supply currents	+5V: 2.5A +12V: 1.5A continuous, 2.5A intermittent* -5V: 250mA -12V: 250mA
Maximum case temperature	40° C (104° F)

* *Intermittent operation:* The Apple IIe can safely operate for up to 20 minutes at the higher load if followed by at least 10 minutes at normal load.

The Apple IIe uses a custom-designed switching-type power supply. It is small and lightweight, and it generates less heat than other types of power supplies do.