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## Portable StyleWriter: How the Two Power Sources Interact (9/93)

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TOPIC -----

What is the value of the DC current necessary to run the Portable Stylewriter?

DISCUSSION -----

The AC adapter supplies +9.5VDC to the printer. The Nickel-cadmium battery Pack supplies 6VDC.

Here is a brief explanation of how the two power sources interact: When the DC plug of the AC adapter is plugged into the printer, the unit will switch from the Ni-Cad battery to the AC adapter. The DC input, after passing through a 0.4A fuse and a noise filter, is checked for voltage by the A/D converter to judge whether the input is from the 9.5VDC or 6VDC Ni-Cad. If the Ni-Cad only is being used, the 'low battery sensing function' and 'auto power off' functions are activated. When the Ni-Cad pack is being charged, the A/D converter is used to check that DC is being inputted from the AC adapter and to activate the 'auto charge off function'.

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