

3600 Modem Hardware Update

DC Power Connector

Overview

This document contains instructions for installing the 3600 modem equipped with DC input supply voltage. This information should be used for the 3600 DCV version and replaces the power supply installation section in the standard 3600 modem user's guide.

DC Power Connection

The 3600 modem is available with an optional DC power connector on the back panel. This connector accepts a DC voltage source from 10 to 53 VDC and provides 500 Volts isolation. Figure 1 shows this connector.

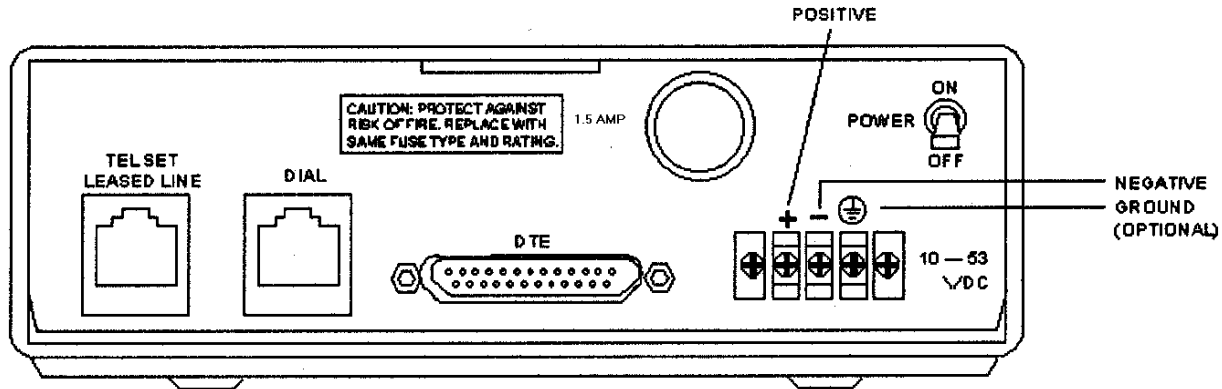


Figure 1. DC Power Connector on the Back Panel of the V.3600 Modem

DC Power Supply Specifications

3600 modems equipped with a DC power connector come with a grounded power cable for attaching the modem to an acceptable DC power source. To attach this cable to the DC power connector on the back panel of the 3600 modem:

- Connect the positive wire from the supplied cable to the positive terminal block (labeled +) on the DC power connector. Facing the back of the modem, this is the left terminal block.
- Connect the negative wire from the supplied cable to the negative terminal block (labeled -) on the DC power connector. Facing the back of the modem, this is the middle terminal block.
- Connect the ground wire from the supplied cable to the earth ground terminal block (labeled with earth ground symbol) on the DC power connector. Facing the back of the modem, this is the right terminal block.

Note: Connecting the ground wire to earth ground is optional for operation. However, it is strongly recommended that you make this connection because doing so provides surge protection for the modem.

DC Power Supply Specifications

DC Power Supply Voltage: 10 to 53 Volts DC

DC Current Requirement:

800 ma at 12 Volts

300 ma at 24 Volts

150 ma at 48 Volts

Operating Temperature: 0 ° to 50 ° C

Isolation Voltage: 500 Volts DC (between inputs to outputs)

Fuse Rating: 1.5 Amp, Slow Blow