

# server-class power



## User's Manual

Manuel de l'utilisateur / Anwenderhandbuch

Manuale per l'operatore / Manual del usuario

**550**  
WATT  
EPS12V

# TRUEPOWER 2.0

*Quietly Powerful*

## TP2-550EPS12V power supply EPS12V compatible

TP2-550EPS12V is an SSI / EPS12V compatible power supply. It includes a variety of industrial-grade protective circuitry: OCP (over current protection), OPP (over power protection), OVP (over voltage protection), OTP (over temperature protection), UVP (under voltage protection), and SCP (short circuit protection).

This power supply is also compatible with ATX12V version 2.0 form factor power supplies and it is backward compatible with previous ATX form factors. You will need the 4-pin +12V Connector for your ATX12V based system and the 8-pin +12V Connector for your SSI / EPS12V based system. To make sure you connect your power supply properly, please refer to the user manuals supplied with your motherboard and peripherals before connecting the power supply to any of your devices.

The power supply includes an advanced temperature response system that provides optimum balance between noise reduction and cooling. The power supply fan will always run at the lowest speed possible for existing load and conditions. Furthermore, it can also control the speed of your system case fans. You will find two dedicated fan connectors (marked "Fan Only") to which you can connect your system case fans. TP2-550EPS12V will then regulate your case fans, further reducing system noise. **Note:** please don't connect more than three fans and do not exceed 1.0 Amps total connected equipment. If you need more cooling power than that, you can connect your case fans to the regular 4-pin peripheral connectors, but that setup won't be as quiet as our recommended setup. **Note:** Antec does NOT recommend connecting a CPU fan to the "Fan Only" connectors.

We've also included a 3-pin fan signal connector. Connect it to one of the fan connectors on your motherboard. You can monitor the speed of the rear power supply fan through your motherboard BIOS or through the monitoring software included with your motherboard. **Note:** When temperatures are low, the speed of the fan may drop below 1000 RPM. At such low speeds, some motherboards may not be able to properly detect the fan speed and may generate false warning of fan failure. To ensure proper fan monitoring, please refer to your motherboard manual.

**Active Power Factor Correction** (applicable only to models designed for sale in the European Union): TruePower 2.0 models designed for the EU include Power Factor Correction (PFC) circuitry in accord with European standard regulation code EN61000-3-2.

**Power Switch:** This power supply comes with a main power switch. Make sure you turn the switch to the ON ( I ) position before you boot up your computer for the first time. In normal operation there is no need to turn the switch to the OFF (O) position since the power supply is equipped with a soft on/off feature which turns your computer on and off through the soft switch on your computer case. You may need to turn the switch to the OFF position occasionally should your computer crash and you cannot shut it down through use of the soft switch.

### Installation:

1. Disconnect the power cord from your old power supply.
2. Open your computer case. Follow the directions provided in your case manual.
3. Disconnect all power connectors from the motherboard and from the peripherals devices such as case fans, hard drives, optical drives, floppy drives, etc.
4. Remove the existing power supply from your computer case and replace it with your new Antec power supply.

5. **Note** (NOT applicable to models designed for the European Union): Before you install your new power supply, check the red power supply voltage switch setting. It should match your local power voltage (115V for North America, Japan, etc., 230V for Europe, South East Asia, and many other countries). Change the voltage setting if necessary. If you use the wrong voltage setting, you could damage your system and void your warranty.
6. Connect the 24-pin Main Power Connector and the 4-pin +12V or 8-pin +12V connector to your motherboard as needed. If your motherboard uses a 20-pin connector, detach the 4-pin attachment on the 24-pin power connector (see pictures 1 and 2). Connect the peripheral power connectors to devices such as hard drives, optical drives, etc.
7. Connect the Serial ATA connectors if you are using Serial ATA hard drives.
8. Connect the PCI Express power connector to your PCI Express graphic card as needed.
9. You can connect up to three fans to the dedicated "Fan Only" connectors. **Note:** Do not connect devices other than fans to these connectors. If you prefer not to let the TP2-550EPS12V control your case fans, you can connect your case fans to the regular 4-pin peripheral connectors.
10. Optional: If you'd like to monitor the speed of the power supply fan, connect the 3-pin fan signal connector to one of the fan connectors on your motherboard. **Note:** You don't need to connect the fan signal connector in order for the power supply to work.
11. Close your computer case and connect the AC power cord to the power supply.

Picture 1



For 24-pin  
motherboards

Picture 2



For 20-pin  
motherboards

## Product Specifications

For detailed specifications, please visit our website at <http://www.antec.com>

**Antec, Inc.**

47900 Fremont Blvd.

Fremont, CA 94538

Tel: 510-770-1200

Fax: 510-770-1288

**Antec Europe B.V.**

Sydneystraat 33

3047 BP Rotterdam

The Netherlands

Tel: +31 (0) 10 462-2060

Fax: +31 (0) 10 437-1752

**Technical Support**

US & Canada

1-800-22ANTEC

CustomerSupport@antec.com

Europe

+31 (0) 10 462-2060

europe.techsupport@antec.com

[www.antec.com](http://www.antec.com)