

# EP-Tiger Series

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**XLR-TYPE**

**1000/900W User Manual**

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## Introduction

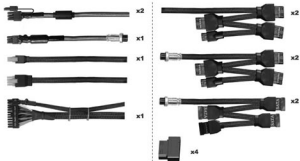
Congratulations! You are now the proud owner of one of the most adaptable and exciting power supplies on the market.

The Tiger Series power supply combines true power with performance. This power supply is an ideal solution for Gamers, Modders and power users who demand the very best from their system.

The Tiger Series cable management allows you to connect only the Cables you require, thereby minimizing clutter and maximizing airflow. Combined with a huge 120mm Fan, the result is optimal airflow and super efficient operation.

Thank you for choosing the Epower power Supply.

## Package Contents



- One AC power cord.
- Five colour coded velcro tapes.
- Two Small cable ties for cable management.
- Five mounting Screw cone spare.
- Installation Guide.

## Warning and Safety Precautions

Please take time and care to read all the information and details in this user's manual before attempting to install or operate your new power supply unit (PSU).

### Warning

- Electronic shock! Do not open the PSU cover under any circumstance .  
No user-serviceable components inside!
- High voltage hazard! Fatal injury can occur, especially if the power switch is turned on, and the power cord is plugged in.
- Do not handle the PSU or components with wet or damp hands, such connecting the power cords, etc.
- Do not insert any objects, especially metallic (screwdriver, wire, etc) into any of the cavities or into the fan windows of the PSU.
- Opening PSU will void warranty.

### Caution

Malfunction or performance and life-span degradation can occur, if the PSU is operating

- In an extremely hot environment.
- In a non-ventilated environment.
- In a high humidity environment.
- If any liquids or small metallic parts get into the PSU.
- If any vent holes are covered.
- Please note: The PSU has been designed for indoor use only!

## Warranty and Handling

Epower provides 36 months PSU replacement warranty service starting on the original date of purchase. The limited Warranty only applies to the original purchaser. A dated sales receipt is the sole proof of purchase. The warranty is voided if you are unable to present the dated sales receipt.

If you are experiencing any technical difficulties or have any questions about the product, please contact our technical support personnel at [www.epowertec.com](http://www.epowertec.com)

### Warranty will be void if:

- The cover has been opened or the warranty sticker on the PSU is damaged or removed.
- Any violation of the Warnings and Safety Precautions as covered in this manual.
- Any deliberate accidental or careless installation, mishandling, misuse of the PSU.
- Any damage as a result of natural disaster or catastrophe.

## Product Description

The EP-Tiger Series PSU makes use of innovative and exciting power supply technologies to deliver maximum reliability and stability. The whisper quiet power supply is ideal for gamers, PC enthusiasts, and power users. In addition,

## Technology Briefs

The EP-Tiger Series Cable Management technology allows you to truly customize your power system to utilize only the internal PC power cables you require. This results in reduced clutter and optimal airflow to ensure the coolest possible environment.

The PSU's high performance doesn't have to come with annoying fan noise. The 120mm fan used in the design reduces noise levels to the minimum, ensuring the quietest power supplies on the market!

EMI Reduction Technology uses copper shielded leads to provide the added benefit of current stabilization and enhanced ripple-noise filtering. This ensures the delivery of the cleanest possible power output to all your critical system components.

## Power Protection Functions

The power supply protection mode is automatically activated if over-current, over-voltage or short-circuit is detected. In this event the power supply will automatically switch off. The power supply will return to normal operation only after the fault has been removed and PSU power switch is reset for a minimum of 1 Second, or else by removing AC power cord and re-connecting it.

### Over-Current Protection

The power supply DC outputs are protected from supplying output current above the maximum ratings and when output power is between 110% and 150%. With the exception of the 5VSB output, all DC outputs are cutoff in the event of an over-current event on any of the DC outputs. In the event of a short circuit on any output, except the 5VSB rail, all outputs are disabled and remain disabled until the power supply is powered off back on. The 5VSB rail will recover upon removal of the over-current condition.

## Over-Voltage Protection

The power supply provides latch-mode over voltage protection defined as:

+5V output is between 5.8V to 6.3V

+12V output is between 14.0V to 17.0V

+3.3V output is between 3.6V to 4.2V

## Short-Circuit Protection

The power supply DC outputs are protected from damage due to faults, when any output shorts to ground. In the event of a short circuit on any output, all outputs shall be disabled and remain disabled until the power supply is powered off and back on. The 5VSB rail will recover upon removal of the over current condition.

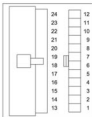


## Power Specification

EP-1000P10-T2											
Input voltage : 85Vac~264Vac				Frequency : 47~63				Max. input current : 15A			
Wattage		+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	+12V5	+12V6	-12V	+5VSB
1000W	Maximum	28A	28A	20A	20A	20A	20A	20A	20A	0.8A	6A
	Minimum	0.3A	0.3A	0.5A	0.5A	0.5A	0.5A	0.5A	0.5A	0.1A	0.1A
	Combined Watt	180W		900W(75A)						9.6W 30W	
	Total Watt	1000W									

EP-900P10-T2											
Input voltage : 85Vac~264Vac				Frequency : 47~63				Max. input current : 15A			
Wattage		+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	+12V5	+12V6	-12V	+5VSB
900W	Maximum	28A	28A	20A	20A	20A	20A	20A	20A	0.8A	6A
	Minimum	0.3A	0.3A	0.5A	0.5A	0.5A	0.5A	0.5A	0.5A	0.1A	0.1A
	Combined Watt	180W		864W(72A)						9.6W 30W	
	Total Watt	900W									

## Motherboard 24 and 20-pin Connectors



Voltage	Colour			Voltage	Colour
+3.3V	Orange	1	13	Orange	+3.3 V
+3.3V	Orange	2	14	Blue	-12V
Com	Black	3	15	Black	Com
+5V	Red	4	16	Green	PS <sub>On</sub>
Com	Com	5	17	Black	COM
+5V	Red	6	18	Black	COM
Com	Black	7	19	Black	COM
PMR_ON	Gray	8	20	NC	N/C
+5Vsb	Purple	9	21	Red	+5 V
+12V	Yellow	10	22	Red	+5 V
+12V	Yellow	11	23	Red	+5 V
+3.3V	Orange	12	24	Black	COM

### EPS 12V 8-pin Connector



Colour	Signal	Pin
Black	COM	1
Black	COM	2
Black	COM	3
Black	COM	4
Yellow	+12VDC	3/5
Yellow	+12VDC	3/6
Yellow	+12VDC	7
Yellow	+12VDC	8

### ATX Motherboard 12V 4-pin Connector



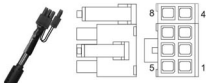
Colour	Signal	Pin
Black	COM	1
Black	COM	2
Yellow	+12VDC	3
Yellow	+12VDC	4

### PCI Express 6-pin Connector



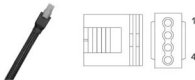
Colour	Signal	Pin
Yellow	12vDC	1
Yellow	12vDC	2
Yellow	12vDC	3
Black	COM	4
Black	COM	5
Black	COM	6

## ATX Motherboard 12V 6+2-pin Connector



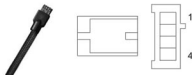
Colour	Signal	Pin
Yellow	COM	1
Yellow	COM	2
Yellow	COM	3
Black	COM	4
Black	+12VDC	5
Black	+12VDC	6
Black	+12VDC	7
Black	+12VDC	8

## Peripheral Molex 4-pin Connector



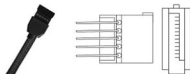
Colour	Signal	Pin
Yellow	+12VDC	1
Black	COM	2
Black	COM	3
Red	+5VDC	4

## Floppy Disk Drive 4-pin Connector



Colour	Signal	Pin
Red	+5VDC	1
Black	COM	2
Black	COM	3
Yellow	+12VDC	4

## Serial ATA Connector



Colour	Signal	Pin
Yellow	+12V1DC	1
Black	COM	2
Red	+5VDC	3
Black	COM	4
Orange	+3.3VDC	5

## Installation Steps

The EP-Tiger Series PSU is designed for quick and easy installation. We recommends an initial examination of the system prior to the physical installation of the PSU to determine the number and type of the internal power cables that will be required for the installation. Be aware that reducing the number of internal power cables will in turn reduce the clutter inside your case and improve airflow.

Before proceeding with the installation of your new Flexiglow Series Connect™ PSU please familiarize yourself with the following installation steps:

<b>STEP 1</b>	Check and make sure the PSU is disconnected from the wall power socket during the entire installation process.
<b>STEP 2</b>	Install the PSU into your case and secure it using the 4 mounting screws provided.
<b>STEP 3</b>	If you have an ATX Motherboard: Ensure that the 24-pin to 20-pin converter plug is connected to the motherboard power cable. Plug the 20-pin ATX 12V connector onto your motherboard (Please refer to the motherboard's user manual for detailed requirements).
<b>STEP 4</b>	If you have an EPS Motherboard: If the motherboard requires the 24-pin input connector then remove the 24-pin to 20-pin converter plug from the motherboard power cable. This will reveal the ATX 24-pin cable. Plug the ATX 24-pin connector onto your motherboard (Please refer to the motherboard user's manual for detailed requirements).
<b>STEP 5</b>	Plug the cable into your motherboard.
<b>STEP 6</b>	Plug the required number of Y-Type cables with three 4-pin Molex connectors and one FDD small 4-pin connector into one of the corresponding connectors on the PSU front panel.

<b>STEP 7</b>	Plug one of the 4-pin Molex Power Connector into the power socket of your hard disk.
<b>STEP 8</b>	Plug one of the 4-pin Molex Power Connector into the power socket of your optical drive.
<b>STEP 9</b>	Plug the FDD 4-pin connector of the Split-Y cable into the power socket on your floppy drive.
<b>STEP 10</b>	Plug required number of Y-Type cables with four SATA power connectors into the one of the corresponding connectors on the PSU front panel (if applicable).
<b>STEP 11</b>	Connect the black SATA power connector into the power connector of the SATA device/s (if applicable).
<b>STEP 12</b>	Connect the required number of 6-pin PCI Express power connector to the corresponding connectors on the PSU front panel (if applicable).
<b>STEP 13</b>	Plug in the other end of the dark blue 6-pin PCI Express Lead into the power socket of the PCI Express video card (if applicable). Note: Please consult your video card manual for detailed instructions.
<b>STEP 14</b>	Connect the required number of 6+2 pin PCI Express power connector to the corresponding connectors on the PSU front panel (if applicable).
<b>STEP 15</b>	Plug in the other end of the 6+2pin PCI Express Lead into the power socket of the PCI Express video card (if applicable). Note: Please consult your video card manual for detailed instructions.
<b>STEP 16</b>	Review the installation of all the cables to ensure that they are correctly connected and all cables are fully plugged in.
<b>STEP 17</b>	Congratulations! Your installation is now complete. Simply plug the AC Power Cord into your PSU and then to the wall socket to power up your system.

## Trouble Shooting

If there is no response from the system when the power supply is turned on, then please check for one of the following common problems:

1. The power supply has a built in "power protection switch". If a shut down occurs for any reason, the power protection switch resets itself after 30 seconds. Please wait at least 30 seconds before checking for common problems listed below.
2. Ensure that the power cord is inserted properly into the power supply.
3. Ensure that the power supply's "on/off" (O/I) switch is turned to the ON position ( I ).
4. Ensure that all the Series Connect™ cables are properly connected.
5. Check for any short-circuit problem or defective components by disconnecting all power to the components, and then reconnecting them one at a time.
6. Assemble your motherboard, video card and power supply outside the case on an anti-static surface to verify if the cause of any short/overload is related to the case, or the way the motherboard was mounted to the case.
7. If the power supply still does not work, please return it to your vendor or supplier for further analysis and repair.

Technical Support

Epower : <http://www.epowertec.com>

E-mail : [info@epowertec.com](mailto:info@epowertec.com)