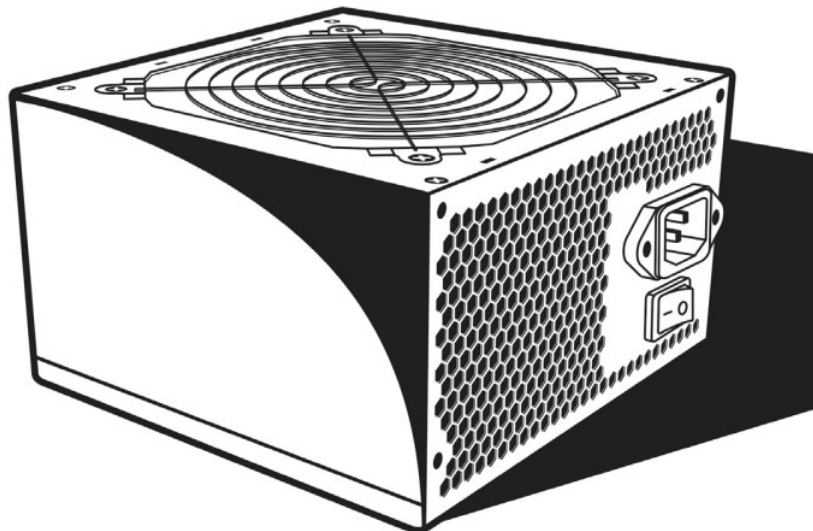




2E BP400-120APFC Basic Power User Guide

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2E
POWER SUPPLY FOR COMPUTER
CASE OPERATION GUIDE



2E BASIC POWER (BP400-120APFC)

Product name: power supply for computer case.

Using: to power the computer system.

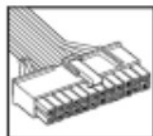
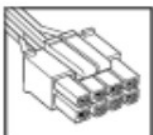
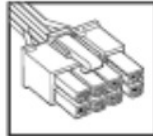
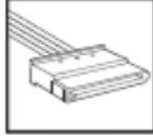
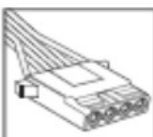
Item number: 2E-BP400-120APFC

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POWER SUPPLY SPECIFICATION

Model	BP400-120APFC				
Case material (color)	steel 0.5mm (black)				
Form factor	ATX				
Certificate	—				
PFC	APFC				
Rail 12V	single				
Efficiency %	>80% or >75%				
Protection	—				
CE/EMI	+				
Cables	mesh shield cable MB (20+4pin)/standard				
Cooling	1x 120mm fan				
On/off button	+				
Size, mm	150x86x140				
Power cord	1.2m/EU				
Screws for installation in case	+				
2E BASIC POWER (2E-BP400-120APFC) ATX 12V, EPS 12V, APFC					
AC Input	200-240V/ 3A				
Frequency	47-63 Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Output Current	15A	15A	25A	0.3A	2.5A
POWER	90W		300W	3.6W	12.5W
	400W				

Motherboard connector/ Cable length, mm	500mm	1 pcs	 20+4pin
CPU connector/Cable length, mm	550mm	1 pcs	 12V 4+4pin/8pin
VGA connector/Cable length, mm	500mm	1 pcs	 PCI-e6+2pin
Peripherals connector / Cable length, mm	SATA (350mm)+SATA (150mm) +MOLEX (150mm) *1	4 pcs	 SATA
Peripherals connector / Cable length, mm	SATA (350mm)+SATA (150mm) +MOLEX (150mm) *1	3 pcs	 MOLEX

* Appearance and equipment of item can be supplemented or modified for the purpose of the improvement or for improvement of product quality.



POWER SUPPLY INSTALLATION AND CONNECTION

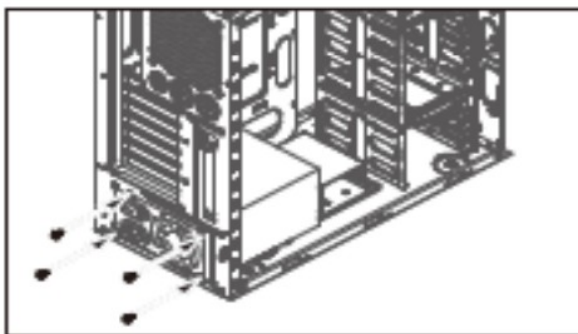
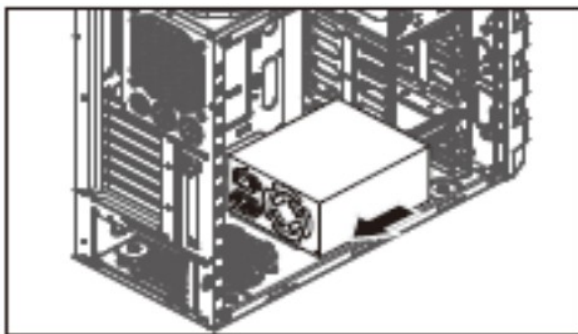
Before you begin installation and start using the power supply, we propose to study current manual.

Step A: Removing the power supply which was installed if necessary:
If you are building a new system, go to step B.

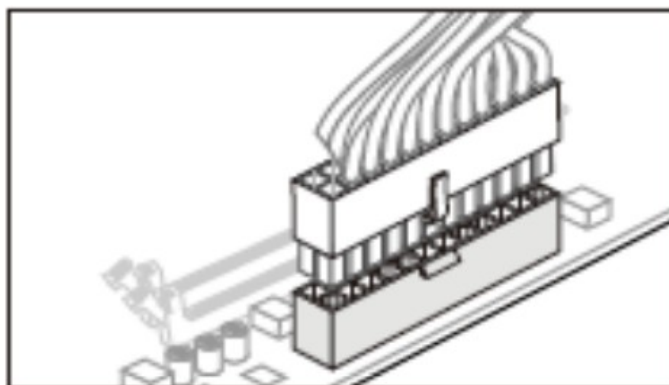
1. Disconnect the AC power cord, as well as from the existing power supply.
2. Disconnect all cables that connect power to the graphics card, motherboard, and other peripherals.
3. Following the instructions for the system unit, remove the power supply.
4. Go to step B.

Step B: Power supply installation:

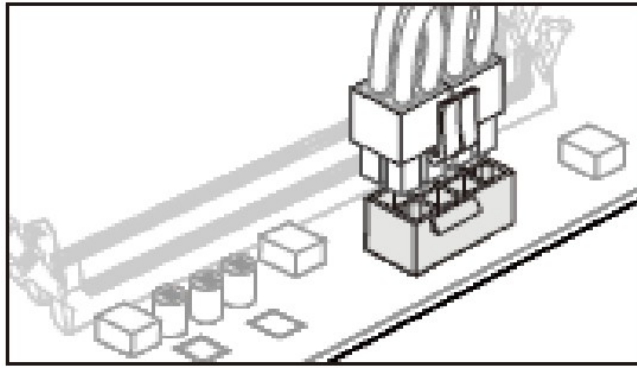
5. Make sure that the AC cable of the power supply is not connected and button on PSU in OFF position.
6. Following the instructions of the computer case operation guide, install the power supply unit and fix it with screws from assembling kit.



7. Connect the 24-pin power cable. The general 24-pin power cable is equipped with a removable 4-pin connector, which ensures compatibility with both 24-pin and 20-pin connectors on the motherboard:
 - a. If the motherboard has a 24-pin connector, you can directly connect the 24-pin power cable from the power supply to it.
 - b. If the motherboard has a 20-pin connector, divide 4-pin cable from the 24-pin connector and then connect the 20-pin cable to the motherboard without connecting the 4-pin connector.

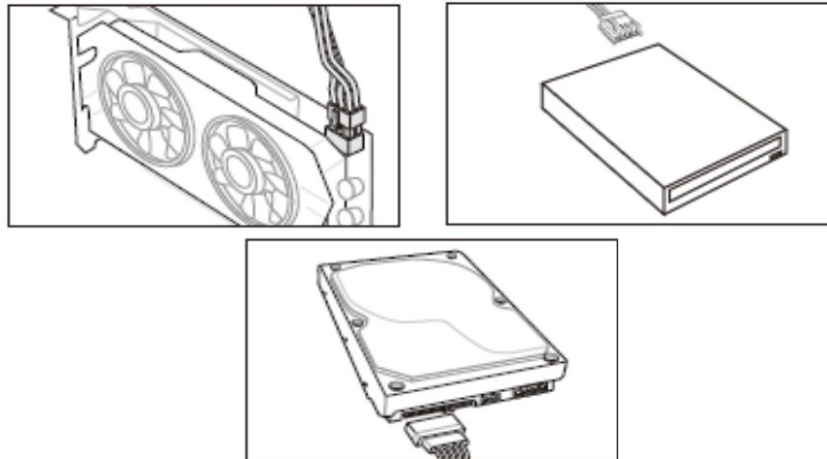


4. Connect the 8-pin (or 4+4) + 12V cable:
 - a. If the motherboard is equipped with an 8-pin + 12V connector, connect the cable with the 8-pin connector directly to the motherboard.
 - b. If the motherboard has a 4-pin connector, divide 4-pin cable from the 8-pin connector and then connect the 4-pin cable directly to the motherboard.



5. Connect the peripheral cables, PCI-Express and SATA cables:

- a. Connect the peripheral cables to the power connectors of the hard drive and CD-ROM / DVD-ROM.
- b. Connect the SATA cables to the power connectors of the SATA hard drive.
- c. If necessary, connect the appropriate PCI-Express cables to the power connector on the PCI-Express graphics card.
- d. Connect peripheral power cables to any peripherals with a small 4-pin connector.
- e. Make sure all cables are securely connected.



6. Connect the AC power cable to the power supply and turn it on by turning the switch to the ON position.

POWER SUPPLY IMPORTANT FEATURES

- Current power supply is a separate component of a personal computer. The PSU must be installed in the metal case of the system unit with sufficient electromagnetic shielding.
- The device has protection class 1, protective earth is directly connected to the metal case. When installing, make sure that the power supply is installed correctly.
- The power supply unit is intended for use in a 200-240V / 47-63 Hz network with grounding. Minimum operating temperature +10 ° C, Maximum +40 ° C. Do not allow moisture to get on the device and do not use the device in rooms with high humidity.

Do not forget that the power of the PSU decreases with increasing of temperature.

- During installation of the power supply, pay particular attention to ensuring effective ventilation. Direct contact with the cooling fan is prohibited.
- Do not attempt to disassemble the device yourself; there is a risk of electric shock. Inside there are no parts that the user can repair, when parsing the PSU, you lose the warranty. Contact a service center by a specialist.
- Consider the power consumption of the PC during assembly. Different configurations consume different amounts of energy. If the total power consumption exceeds the power of the PSU, then the PC will not function properly or function at all.

ENVIRONMENT REQUIREMENTS

Operating temperature: +10 ° C ~ +40 ° C.

Storage Temperature: -40 ° C ~ +70 ° C.

Humidity (non-condensing) for operation: 20% ~ 85% relative humidity.

Humidity (non-condensing) for storage: 5% ~ 95% relative humidity.

USE OF THE DEVICE AFTER THE EXPIRATION DATE AND DISPOSAL

1. The calculated minimum service life of the PSU 2E BASIC series set by the PSU manufacturer is 50 000 hours and is valid provided that the product is used exclusively for its own needs, also if the consumer observes the rules of operation, storage and transportation of the product. Subject to careful handling of the product and compliance with the rules of operation, the actual service life may exceed the estimated service life set by the manufacturer.
2. After the expiration of the product, it is desirable to contact an authorized service center for preventive maintenance of the product and determine its suitability for further operation. Works on preventive maintenance of the product and its diagnostics are performed by authorized service centers on a paid basis.
3. In contrast to household waste, the device must be transferred to the appropriate point for receiving electrical and electrical equipment for disposal and recycling. Penalties are provided for improper waste disposal in accordance with the current legislation of Ukraine.

If the user follows the rules, taking into account the precautions specified in the operation manual, the device is safe to use and does not harm the environment and people.

WARNING!

1. The device is not intended for outdoor use. Use this PSU only in the office or at home. Please carefully read the user manual for all components of your PC before assembly.
2. Do not disassemble the device yourself under any circumstances.

WARRANTY CARD

Dear Buyer! Congratulations on your purchase of the 2E brand power supply for computer case, which was designed and manufactured in accordance with the highest quality standards, and we thank you for choosing this particular product.

We ask you to keep the coupon during the warranty period. When purchasing a product, require a full warranty card.

1. Warranty service is carried out only if there is a correctly and clearly filled original warranty card, which indicates: product model, date of sale, serial number, warranty service period, and the seller's seal. *
2. The product is intended for consumer use. When using the product in commercial activities, the seller / manufacturer does not bear warranty obligations, after-sales service is performed on a paid basis.
3. Warranty repair is carried out within the period specified in the warranty card for the product in an authorized service center on the conditions and terms determined by applicable law.
4. The product is withdrawn from the warranty in case of violation by the consumer of the operating rules set forth in the instruction manual.

5. The product is removed from warranty service in the following cases:

- misuse and non-consumer use;
- mechanical damage;
- damage caused by the ingress of foreign objects, substances, liquids, insects;
- damage caused by natural disasters (rain, wind, lightning, etc.), fire, domestic factors (excessive humidity, dust, aggressive environment, etc.)
- damage caused by non-compliance of power and cable network parameters with state standards and other similar factors;
- when operating equipment in the power supply network with a missing single ground loop;
- in case of violation of seals installed on the product;
- lack of serial number of the device, or inability to identify it.

6. The warranty period is 12 months from the date of sale.

* Tear-off maintenance tickets are provided by an authorized service center.

The completeness of the product is checked. I have read the terms of the warranty service, no complaints.

Customer Signature _____

Warranty card

Product information

Product

Model

Serial number

Seller Information

Trade organization name

The address

Date of sale

Seller stamp

Coupon № 3

Seller stamp

Date of application

Cause of damage

Date of completion

Coupon № 2

Seller stamp

Date of application

Cause of damage

Date of completion

Coupon № 1

Seller stamp

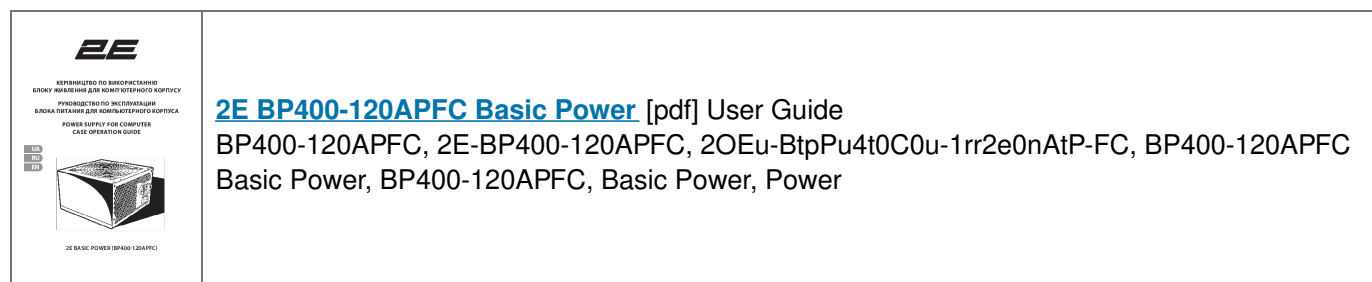
Date of application

Cause of damage

Date of completion



Documents / Resources



References

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- [User Manual](#)

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