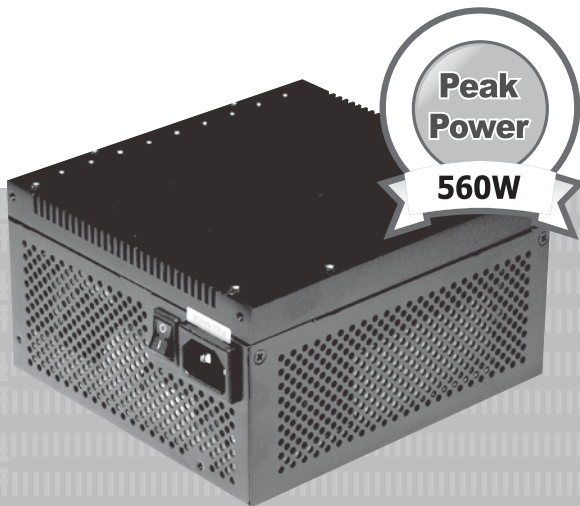
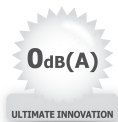




Noise Free



Dust Free



Product Manual

FANLESS POWER SUPPLY

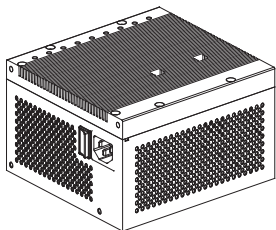
NOFAN P-400A

v.1.0 (August, 2011)

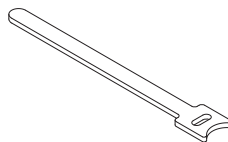
Please read the manual before installing

○ Product Accessories

The actual accessories may look different from the following figures. Some may be changed on circumstances.



NOFAN P-400A



Velcro



Fixing Bolts

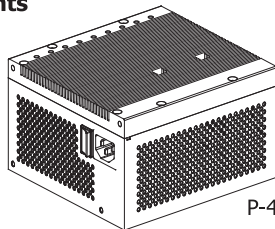


Manual

1 P-400A Features

1. Fanless power supply for absolute silent operation.
2. 80PLUS BRONZE certified high efficiency performance.
3. Stable operation reinforced by 560W-class components.
4. Large aluminum heat sink customized for natural convection.

2 P-400A Components



P-400A Fanless Power Supply

3 ⚠ P-400A Precautions

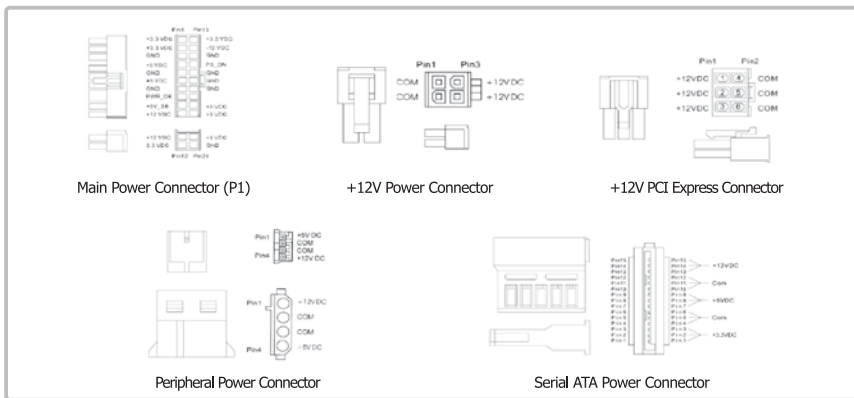
1. The motherboard can be damaged if the Main Output Connector(P1) is connected to the motherboard while the AC power is ON.
2. While connecting the DC output connectors, be sure to connect them in the correct directional orientation.
3. After installation, press the case's power button then check if the Power LED lights ON, for if it does not, it may be necessary to check for incorrect connections or motherboard problems.

4 P-400A Certification and EMI



5

P-400A Connectors



6

P-400A Specifications

AC Input Range	Voltage	110 – 240 VAC			Output Voltage Stability	Output Voltage	Safety Range	
	Frequency	50 – 60 Hz				+ 3.3 V	3,76 – 4.8 V	
PFC Type	ACTIVE PFC					+ 5 V	5,6 – 7.0 V	
	Efficiency(%)	TYPICAL LOAD(50%)	86 %			+ 12 V1	13,0 – 16,5 V	
FULL LOAD (100%)		85 %				+ 12 V2	13,0 – 16,5 V	
DC Output	Output Voltage	Output Load Range				Total Output	Safety Features	
	+3.3 V	0.0 A	10 A	20.0 A		130 W	Over Current Protection (OVP)	
	+5 V	0.0 A	7.0 A	14.0 A			Over Current Protection (OVP)	
	+12 V1	0.2 A	7.0 A	14.0 A			Short Circuit Protection (SCP)	
	+12 V2	0.2 A	6.5 A	13.0 A		324 W	External temperature	
	-12 V	0.0 A	0.25 A	0.5 A	Operation		Storage	External moisture
	+5 Vsb	0.0 A	1.25 A	2.5 A	18.5 W	0 – 45 °C	-20 – 60 °C	5 – 95%RH
	Dimensions		160 x 150 x 86 mm					

7 P-400A Warning and Cautionary Notices

⚠ WARNING

Neglecting the following may cause serious injury or death.

- ▶ Do not disassemble the cover while the AC power is connected, for it may lead to electrical shock or fatal product damage.
- ▶ Do not touch the power plug with wet hands, for it may lead to electrical shock.
- ▶ Do not insert fingers or metal objects into vents.

⚠ Caution

Neglecting the following may cause minor injuries, degrade product conditions or cause malfunctions.

- ▶ Operating the product in an extremely cold or hot environment can degrade product performance and lifespan.
- ▶ Do not insert water or liquids inside the product.
- ▶ Operation in a humid or non-ventilated environment may reduce product lifespan.

8 Warranty and Servicing

1. Warranty Period : 2 year from date of purchase.
2. Free Servicing : Free Servicing will be provided for defects reported within the Warranty Period.
However, Free Servicing is not provided in the following cases:
 - Problems caused by neglecting the warnings and notices of this manual.
 - Damages or deformations caused by the user's intent, fault, or lack of caution.
 - Deformations or malfunctions caused by the user's modification of the product.
 - Damages to the computer or its components caused by excessive over-clocking.
3. Charged Servicing : Charged Servicing is available for problems reported beyond the Warranty Period.
4. Refund and Exchange
 - 1) Refund : A refund is only available if returned to the original retailer with a valid sales receipt within 10 days of purchase, and the product/packaging are not damaged.
 - 2) Exchange : If the product shows deterioration or malfunctions within 30 days of purchase, the product can be exchanged for a new product.



WEEE



UL



Nemko



RoHS



CE



Bronze



CB



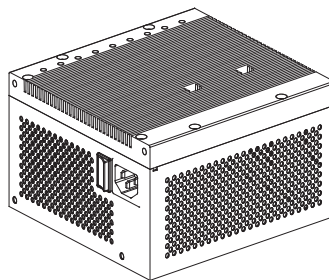
FCC



KCC



FDP



NOFAN P-400A

NOFAN
NOFAN Corporation

#1312 Byucksan 6-cha, Gasan-dong 481-4, Geumcheon-gu, Seoul, Korea
Tel : +82-1544-5999 FAX : +82-2-2627-3555 <http://www.nofancomputer.com>