

PS2 Type Fanless Power Supply

# EFN-500

Dimensions:150(W)x86(H)x160(D)mm



Input/Output:AC/DC

- 500 watts Output Power
- No Fan, No Noise, No Dust
- Meet Desktop PC
- High Efficiency & 80plus

## Electrical Specifications

Regulation, Ripple & Noise

Output	+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-5V	-12V	+5Vsb
Load Regulation	± 5%	± 5%	± 5%	-	-	-	-	± 10%	± 5%
Cross Regulation	± 5%	± 5%	± 5%	-	-	-	-	± 10%	± 5%
Line Regulation	± 1%	± 1%	± 1%	-	-	-	-	± 1%	± 1%
Ripple & Noise	50mV	50mV	120mV	-	-	-	-	120mV	50mV

Input / Output Ratings

Model No.	Input			Output										
	Voltage	Frequency	Current	Watt	Load	+5V	+3.3V	+12V1	+12V2	+12V3	+12V4	-5V	-12V	+5Vsb
EFN 500	110-240 VAC	47-63 Hz	6-3.5A	500W	Max	15A	22A	35A	-	-	-	-	0.5A	2A
					Min	0A	0A	0.5A	-	-	-	-	0.1A	2.5A

- Note: 1. The +5 & +3.3 Volt total output shall not exceed 130 W.  
 2. The +5, +3.3 & +12 Volt total output shall not exceed 430W.  
 3. Maximum continues total DC output power shout not exceed 450W.  
 4. Peak power should not exceed 500W.

## Features

- Meet ATX12V and backward compatible
- Universal AC power input
- Active Power Factor Correction (PFC)
- Two LEDs for temperature and operation
- OVP (Over Voltage Protection)
- OCP (Over Current Protection)
- OTP (Over Temperature Protection)
- OPP (Over Power Protection)
- SCP (Short Circuit Protection)
- Two serial-ATA connectors for SATA devices
- MTBF > 100,000 hours

## General Specifications

- Input voltage range 110 to 240VAC
- Power factor: > 0.96 at full load
- High efficiency: 80%
- Power good signal: 100 to 500ms,TTL signal
- PSON (Remote ON/OFF): TTL signal
- Max. ambient temperature: 30°C

## Agency Requirement

- UL 609501-1 IEC60950 standards
- CE, FCC class B, BSMI and CISPR class B
- Safety: TUV, CB, CCC

## Application

- Rackmount
- Server
- Industrial PC
- Desktop PC

## Processors

- Xeon