

# ENH-0620

• **200W**

## Features

- EPS1U Rev.2.1 compliant
- Universal AC Input Voltage Auto-Sensing
- Active PFC (Power Factor Correction)
- Remote On/Off Sensing
- Power good TTL Signal
- Short circuit, Over Current & Voltage Protection
- High Efficiency
- IAPC, Wake-On-LAN Technology Ready
- Auto-Sensing Thermal Control
- Low Acoustic Noise



## Apply For

- All Intel Processors up to P4
- All AMD Processors up to Athlon



## Electrical Specifications

- Input Voltage 100 ~ 127 VAC  
200 ~ 240 VAC  
Auto Sensing
- Frequency 50 ~ 60 Hz
- Input current 4.0 Arms @ 115 VAC  
2.0 Arms @ 230 VAC
- Holdup Time > 14 ms @ Full Load

## Environmental Specifications

- Operating/Storage Temp. 10~50°C/-20~60°C
- Operating/Storage Humidity 85% / 95%
- Operating/Storage Altitude 10,000/50,000 FT
- MTBF 100,000 HRS
- Safety Approvals UL/CUL, CB, TUV
- EMC Regulations FCC, CE

## Output Specifications

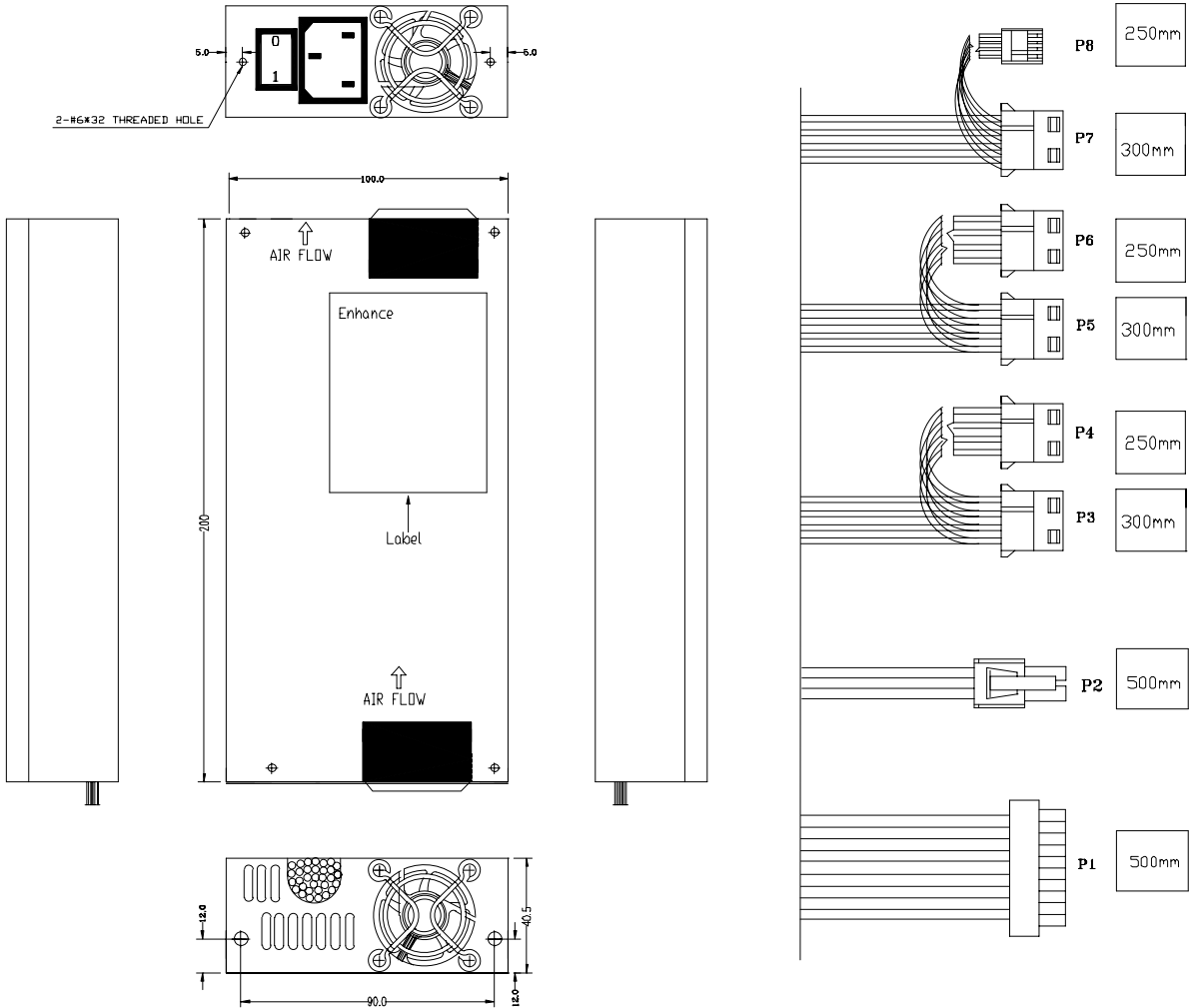
| Voltage | Regulation Load | Minimum Load | Maximum Load | Peak  |
|---------|-----------------|--------------|--------------|-------|
| +3.3V   | +/-5%           | 1.0A         | 14.0A        | --    |
| +5.0V   | +/- 5%          | 3.0A         | 21.0A        | 22.0A |
| +12.0V  | +/- 5%          | 1.0A         | 10.0A        | --    |
| -12.0V  | +/- 10%         | 0A           | 1.0A         | --    |
| -5.0V   | +/- 5%          | 0A           | 0.5A         | --    |
| +5 Vsb  | +/- 5%          | 0A           | 3.0A         | --    |

(\*) Total maximum combines load output on +3.3V and +5V rails should not exceed 130 Watts.

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## Mechanical Drawing



EPS1U

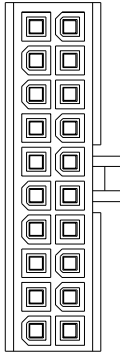
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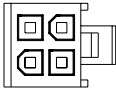
## Wire Harness

### Description

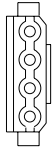
P1 - Main Power



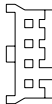
P2 – 4 Pin Processor Power



P3 to P5 – Peripheral



P6 – Floppy



### Connector Housing

Molex 39-01-2200 or Equivalent

|    |        |        |    |        |        |
|----|--------|--------|----|--------|--------|
| 1  | Orange | +3.3V  | 11 | Orange | +3.3V  |
| 2  | Orange | +3.3V  | 12 | Blue   | -12VDC |
| 3  | Black  | GND    | 13 | Black  | GND    |
| 4  | Red    | +5V    | 14 | Green  | PS_ON  |
| 5  | Black  | GND    | 15 | Black  | GND    |
| 6  | Red    | +5V    | 16 | Black  | GND    |
| 7  | Black  | GND    | 17 | Black  | GND    |
| 8  | Gray   | PWR OK | 18 | White  | -5V    |
| 9  | Purple | 5 VSB  | 19 | Red    | +5V    |
| 10 | Yellow | +12V   | 20 | Red    | +5V    |

Molex 39-01-2040 or Equivalent

|   |       |     |   |        |      |
|---|-------|-----|---|--------|------|
| 1 | Black | GND | 3 | Yellow | +12V |
| 2 | Black | GND | 4 | Yellow | +12V |

Molex 8981-04P or Equivalent

|   |        |      |
|---|--------|------|
| 1 | Yellow | +12V |
| 2 | Black  | GND  |
| 3 | Black  | GND  |
| 4 | Red    | +5V  |

AMP 171822-4 or Equivalent

|   |        |      |
|---|--------|------|
| 1 | Red    | +5V  |
| 2 | Black  | GND  |
| 3 | Black  | GND  |
| 4 | Yellow | +12V |

### Dimension (WxLxH)

- 100 x 200 x 40.5 (mm)
- 3.93 x 7.87 x 1.59 (inch)

### Cooling Fan

- 12V DC, 40mm x 2

### Notes

- Specification and Wire Harness configuration are subject to change without notice.
- All new processors support will be updated once official announced by vendors
- All company logo and legal name belong to original company. All copyright reserved by Enhance Electronics.
- One-Year Standard Warranty
- Last Update: 8/11/2005

EPS1U