



Run Cool  
 Run Reliably  
 Run With 80 PLUS

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# ENH-0840A-G



## Features



## Electrical Specifications

- Input Voltage 90 ~ 265 VAC Auto Sensing
- Frequency 47 ~ 63 Hz
- Input current 5.5 Arms @ 115 VAC  
2.5 Arms @ 230 VAC
- Holdup Time > 14 ms @ Full Load

## Output Specifications

Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+/-5%	0.5A	20.0A	--
+5.0V	+/- 5%	0.5A	20.0A	--
+12.0V1	+/- 5%	0.2A	18.0A	--
+12.0V2	+/- 5%	0.5A	18.0A	--
-12.0V	+/- 10%	0A	0.5A	--
+5 Vsb	+/- 5%	0.1A	3.0A	--

(\*) Total maximum combines load output on +3.3V and +5V rails should not exceed 150 Watts.

## Application Reference

- 1U Rack-Mount Server Appliance



- Industrial Panel PC, Kiosk



## Environmental Specifications

- Protection OCP/OPP/OVP  
OTP/SCP
- Operating/Storage Temp. 0~50°C/-20~70°C
- Operating/Storage Humidity 85% / 95%
- Operating/Storage Altitude 10,000/50,000 FT
- MTBF 100,000 HRS
- Safety Compliant UL/CUL, CB, TUV
- EMC Regulations FCC, CE

EPS1U

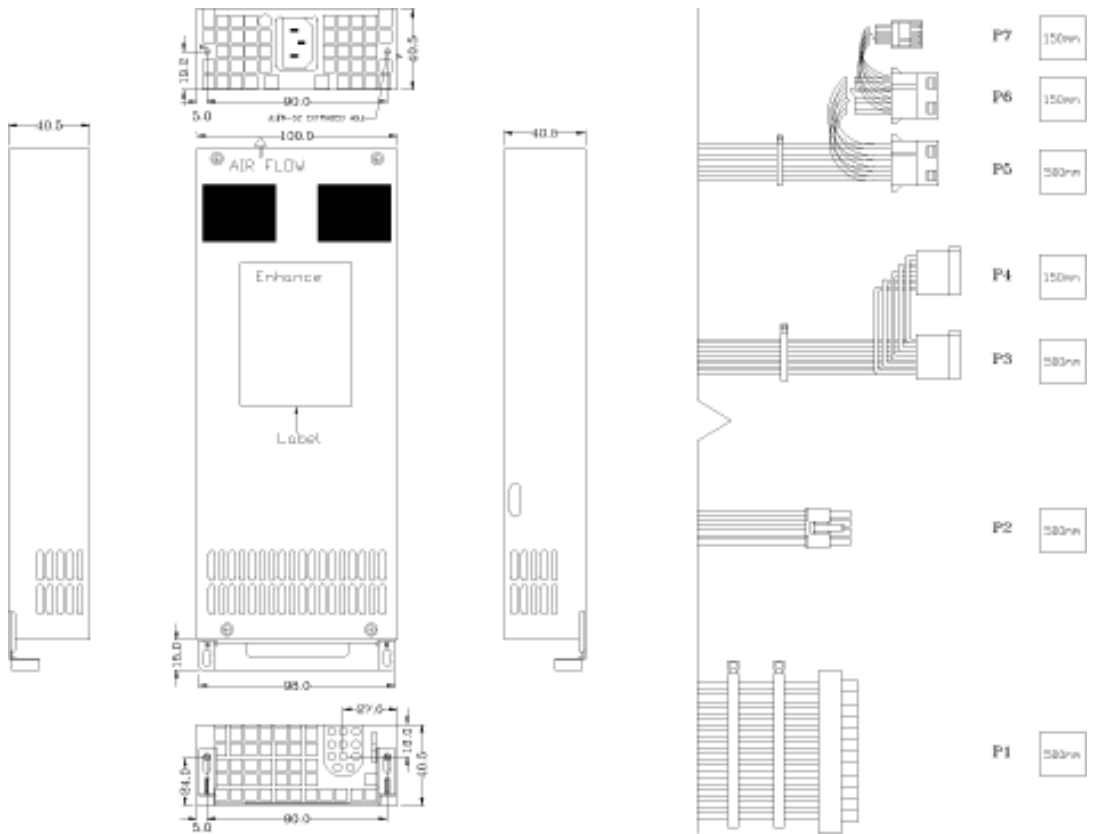


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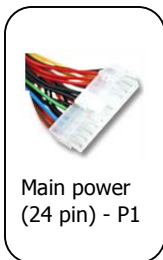


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## Mechanical Drawing



EPS1U





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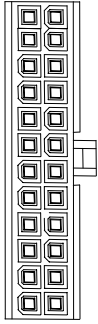


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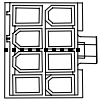
## Wire Harness

### Description

P1 - Main Power



P2 - 8 Pin CPU-VR Power Connector



P3 & P4 - Serial ATA



P5 & P6 - Peripheral



P7 - Floppy



### Connector Housing

Molex 39-01-2240 or Equivalent

1	Orange	+3.3V	13	Orange	+3.3V
2	Orange	+3.3V	14	Blue	-12VDC
3	Black	GND	15	Black	GND
4	Red	+5V	16	Green	PS_ON
5	Black	GND	17	Black	GND
6	Red	+5V	18	Black	GND
7	Black	GND	19	Black	GND
8	Gray	PWR OK	20	NC	Reserved
9	Purple	5 VSB	21	Red	+5V
10	Yellow	+12V1	22	Red	+5V
11	Yellow	+12V1	23	Red	+5V
12	Orange	+3.3V	24	Black	GND

Molex 39-01-2080 or Equivalent

1	Black	GND	5	Yellow	+12V1
2	Black	GND	6	Yellow	+12V1
3	Black	GND	7	Yellow /Black	+12V2
4	Black	GND	8	Yellow /Black	+12V2

Molex 88751 or Equivalent

1	Yellow	+12V1
2	Black	GND
3	Red	+5V
4	Black	GND
5	Orange	+3.3V

Molex 8981-04P or Equivalent

1	Yellow	+12V1
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	+12V1

### Dimension (WxLxH)

- 100 x 245 x 40.5 (mm)
- 3.93 x 9.65 x 1.59 (inch)

### Cooling Fan

- 12V DC, 40mm x 2

### Notes

- Specification subject to change without notice. All new processors support will be updated once official announced by vendors
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- Last Update: 1/26/2007