Enhance® ELECTRONICS CO., LTD.

TFX 12V

ENP2220A 200W

Features

- TFX 12V Compliant
- Remote on/off
- Protection
- Short Circuit
- Over Voltage Protection
- UL / cUL, CB, TUV Safety approved
- FCC / CE EMC Approved
- High efficiency
- Optional Fan Speed Thermal Control
- Passive PFC
- Manual select switch
- High Output Current for +5Vsb



Dimension (L x W x H) : 150 x 82 x 62 mm

SPECIFICATION

Output Specification

Voltage	Regulation	Minimum Load	Maximum Load	Peak Load
+3.3V	+ /- 5%	0.3A	17A	--
+5V	+ /- 5%	0.3A	21A	--
+12V	+ /- 5%	1.0A	10A	12A
-5V	+ /- 10%	0A	0.3A	0.5A
-12V	+ /- 10%	0A	0.8A	--
+5Vsb	+ /- 5%	0A	2.0A	2.5A

*** 3.3V & 5V combine load 110W**

*The maximum total combined current on -12V and -5V is 0.8A

Electrical Specifications

- **Input Voltage** 100 -127/200 - 240VAC Manual select switch
- **Frequency** 47 ~ 63 Hz
- **Input Current** 5A @ 115VAC
  3A @ 230VAC
- **Hold up time** 16ms@ full load
- **High efficiency** 70% at Full Load
- **Over Voltage Protection** +5V Output ≦ 7.5V Max
  +3.3V Output ≦ 4.3V Max
  +12V Output ≦ 16.2V Max
- **Short-Circuit Protection**
  On each channel

ENVIRONMENT

Environmental Specification

- **Operating / Storage Temp** 0 ~ 40°C / -20 ~ 70°C
- **Relative Humidity** 5 ~ 95%
- **Operating / Storage Altitude** 10,000 / 50,000 FT
- **MTBF** 100,000 HRS
- **Safety Approvals** UL/CUL, CB, TUV, Nemko
- **EMC Regulations** FCC, CE

Apply for

All Intel Processors upto P4

All AMD Processors upto Athlon

Last Update : 8/20/2003

HEADQUARTER

ENHANCE ELECTRONICS CO., LTD
3F-1, NO.137, LANE 235, PAO CHIAO ROAD,
HSIN TIEN, TAIPEI, TAIWAN, R.O.C
TEL : +886 2 8919 2288 FAX : +886 2 8919 227
E-MAIL : sales@enhance.com.t
WWW.ENHANCE.COM.T

KOREA OFFICE

ENHANCETECH CO., LTD.
510 DORIM DOOSAN BEARS TOWER
110-4, KURO5-DONG, KUROKU SEOUL, KOREA
TEL : 02-839-2030 FAX : 02-839-6262
E-MAIL : enhance@enhance.co.kr
WWW.ENHANCE.CO.KR

USA OFFICE

ENHANCE ELECTRONICS
13100 ALONDRA BLVD., UNIT 106,
CERRITOS, CA 90703
TEL : +1 562 677 1268 FAX : +1 562 677 126 9
E-MAIL : sales@enhanceusa.com
WWW .ENHANCEUSA.COM

EUROPE OFFICE

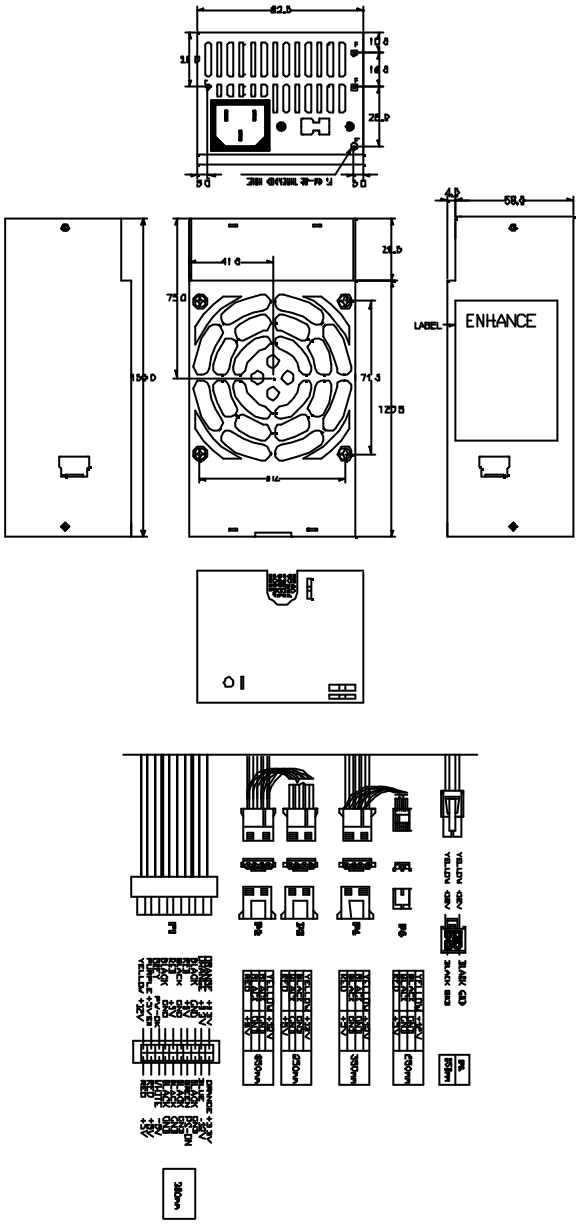
ENHANCE EUROPE INTERPAC B.V
ESSEBAAN 40, 2908 LK CAPELLE
AAN DEN IJSSEL, THE NETHERLANDS
TEL : +31 10 284 0870 FAX : +31 10 284 0873
E-MAIL : kathryn@interpacbv.com
WWW .ENHANCE-EUROPE.COM

Enhance®
ELECTRONICS CO., LTD.

TFX 12V

ENP-2220A 220W

MECHANICAL DRAWING



HEADQUARTER

ENHANCE ELECTRONICS CO., LTD
3F-1, NO.137, LANE 235, PAO CHIAO ROAD,
HSIN TIEN, TAIPEI, TAIWAN, R.O.C
TEL : +886 2 8919 2288 FAX : +886 2 8919 227
E-MAIL : sales@enhance.com.t
WWW.ENHANCE.COM.T

KOREA OFFICE

ENHANCETECH CO., LTD.
510 DORIM DOOSAN BEARS TOWER
110-4, KURO5-DONG, KUROKU SEOUL, KOREA
TEL : 02-839-2030 FAX : 02-839-6262
E-MAIL : enhance@enhance.co.kr
WWW.ENHANCE.CO.KR

USA OFFICE

ENHANCE ELECTRONICS
13100 ALONDRA BLVD., UNIT 106,
CERRITOS, CA 90703
TEL : +1 562 677 1268 FAX : +1 562 677 126 9
E-MAIL : sales@enhanceusa.com
WWW .ENHANCEUSA.COM

EUROPE OFFICE

ENHANCE EUROPE INTERPAC B.V
ESSEBAAN 40, 2908 LK CAPELLE
AAN DEN IJSSEL, THE NETHERLANDS
TEL : +31 10 284 0870 FAX : +31 10 284 0873
E-MAIL : kathryn@interpacbv.com
WWW .ENHANCE-EUROPE.COM