



LIEN ENGINEERING, INC.

UNIVERSAL MEDICAL GRADE POWER SUPPLIES

**ADxxxW1P-388y
EXTERNAL 80 to 130 WATT
ADAPTER FAMILY**



FEATURES:

- Auto Selecting, Full Range 90 - 260 VAC Input
- Proven High Reliability Design
- High Efficiency
- UL, CUL, TUV Approved
- On Board EMI/RFI Filtering - Meets FCC Class B
- Reliable MOS-FET design

For over 25 years, Lien Engineering, Inc. has been producing innovative Power Conversion and Enclosure Products for Large and Small Computers, Computer Peripherals, Medical, Communications, and other Industrial requirements.

LIEN ENGINEERING, INC.

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Doc. #ADxxxW1P-388y R-11042003

SPECIFICATIONS

INPUT

INPUT VOLTAGE: 90VAC to 265VAC
47 - 63 Hz

No external jumpers or switching required
Input over-voltage/surge protection.

INRUSH CURRENT: 100A max. @ 115VAC
200A max. @ 264VAC
Cold start

INPUT CURRENT: 2.2A RMS Max @ 90VAC

PFC: Complies with EN61000-3-2 and
EN61000-3-3 requirements.

EFFICIENCY: $\geq 85\%$ Typical at full load

AGENCY APPROVALS: cULus 2601, EN60601

LINE REGULATION: $\pm 1\%$ Maximum

LOAD REGULATION: $\pm 5\%$ Maximum

PROTECTION:

Over Current - set at 110% to 150% of
rated output with automatic recovery

Over Voltage - set at 110% to 150% of
rated output

Continuous short circuit protection
with automatic recovery

Thermal - prevents catastrophic failure
from overheating

ESD Protection to EN61000-4-2,
Level 4, 1995

OUTPUT

OUTPUT RATINGS: see below

RIPPLE & NOISE: 1% Peak to peak

ADJUSTMENT RANGE: $\pm 10\%$ Rated output

NOISE: 1% p-p maximum

HOLD-UP TIME: 16ms minimum at full load
and 115VAC nominal line

ENVIRONMENTAL

OPERATING TEMPERATURE: 0°C to 40°C

STORAGE TEMPERATURE: -20°C to 70°C

THERMAL REGULATION: Passive convection

MTBF: 100,000 hours at 25°C and full load.

DIMENSIONS: 170mm x 84mm x 40mm

MODEL	OUTPUT (W)	OUTPUT RANGE (VDC)	MAXIMUM CURRENT RANGE (A)
AD130W1P-388A	130	12 - 24	10.83 to 5.41
AD100W1P-388B	100		8.33 to 4.16
AD80W1P-388C	80		6.66 to 3.33

