

# LIEN ENGINEERING, INC.

# UNIVERSAL MEDICAL GRADE POWER SUPPLIES

ADXXXW1P-389y EXTERNAL 45 to 70 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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# **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 EFFICIENCY: ≥85% Typical at full load

AGENCY APPROVALS: cULus 2601, EN60601

## **OUTPUT**

OUTPUT RATINGS: see below

RIPPLE & NOISE: 1% Peak to peak

ADJUSTMENT RANGE: ±10% Rated output

NOISE: 1% p-p maximum

HOLD-UP TIME: 16ms minimum at full load

and 115VAC nominal line

LINE REGULATION: ±1% Maximum

LOAD REGULATION: ±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

### **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: 4.70" x 2.44" x 1.40"

		OUTPUT	MAXIMUM CURRENT
MODEL	OUTPUT (W)	RANGE (VDC)	RANGE (A)
AD70W1P-388A	70		5.83 to 2.91
AD60W1P-388B	60	12 - 24	5.00 to 2.50
AD45W1P-388C	45		3.750 to 1.875

