



# Standard Power Power Supplies

## LINEAR OPEN FRAME DC POWER SUPPLIES

### Features:

- Tight regulation: 0.05% line; 0.05% load
- Full output rating to +50°C
- Built-in OVP on +5V output
- OVP option for 12/15/24V
- Current limiting and foldback, automatic recovery
- Multi-tap AC inputs (100/120/220/230/240V AC)
- 100% 4-hour burn-in
- Limited warranty for one year
- UL/CSA/TUV approved

AC CONNECTION/FUSING			
Input Volt	Con.	Power To	Fuse
100V	1-3/2-4	1 & 5	3.0A
120V	1-3/2-4	1 & 4	3.0A
220V	2-3	1 & 5	1.5A
230V	2-3	1 & 4	1.5A
240V	2-3	1 & 4	1.5A

### General Specifications:

#### Voltage/Current Ratings:

Model No.	SPWS-2472
Output:	24V/7.2A
Operating Temperature Range:	0 to 50°C (Derate to 40% at +70°C)
Temperature Coefficient:	+/-0.01%/°C
(Typical)	
Stability:	Within +/-0.05% (for 24 hours after warm-up)
Vibration:	Per MIL-STD-810C, Method 514
Shock:	Per MIL-STD-810C, Method 516
EMI-RFI:	Linear power supplies have inherently low conducted and radiated noise levels. For most system applications, these power supplies will meet the requirements of FCC Class "B" and VDE 0871 for Class "B" equipments without additional noise filtering.
Cooling:	Forced air @20 CFM

SPWS -2472/9408A/1K

## ACME TRANSFORMER

4815 West 5th Street  
Lumberton, NC 28358  
Tel: 1-910-738-1121  
Tel: 1-800-247-7507  
Fax: 1-910-739-0024

## Input Specifications:

### Multi Input (all units):

100/120/220/230/240VAC selectable  
+/- 10% except 230VAC is +15%, -6%

### Frequency Range:

47-63Hz (typical is 60Hz. Derate output 10% at 50Hz.)

### Transient Response Time:

≤50 μs for 50 to 100% load change

### Fuse Requirements:

Units are not fused internally. For safe operation, users must provide input line fuse as per values given in table.

AC Input	AC Fuse	DC Output	DC Fuse
100V	1.5A	1.5A	1.5A
120V	1.5A	1.5A	1.5A
220V	2.5A	2.5A	2.5A
230V	2.5A	2.5A	2.5A
240V	2.5A	2.5A	2.5A

## Output Specifications:

### Line Regulation:

0.05% for +/-10% line change

### Load Regulation:

0.05% for 50% load change

### Ripple:

3.0mV maximum peak-to-peak

### DC Output Adjustment Range:

+/-5% minimum

### Overvoltage Protection:

All 5V outputs include built-in OVP as standard feature (setting is 6.2V +/-0.4V). OVP is optionally available on other outputs.

### Remote Sensing:

Standard built-in open sense load protection

### Overload Protection:

125 to 150% foldback current limit

### Dielectric Withstand Voltage:

3750VAC input/output  
1250VAC input/safety ground  
500VAC output/safety ground

## Mechanical Dimensions:

