

# POWER SUPPLIES FOR PROCESS LOOPS AND TRANSMITTERS

## PSR Series



U48Y40 shown smaller than actual size.



U24Y175 shown smaller than actual size.



PSR-24L shown smaller than actual size.



PSR-24S shown smaller than actual size.

- ✓ Rugged Power Supplies for Transducers and Transmitters
- ✓ 24 Vdc Regulated or 48 Vdc Unregulated
- ✓ Economical Low Cost Solution

### SPECIFICATIONS

#### U24Y175

**Input:** 105 to 125 or 210 to 250 Vac, user selectable  
**Operating Range:** -10 to 65°C (14 to 150°F)

**Storage Temperature:** -55 to 85°C (-67 to 185°F)

**Output:** 24 Vdc at 175 mA max  
**Line and Load Regulation:** ±0.1%  
**Ripple and Noise:** 3 mV RMS  
**Temperature Coefficient:** ±0.2% per °C

**Dimensions:** 69 H x 76 W x 25 mm D (2.7 x 3.0 x 1")

**Output Protection:** Current limited, overvoltage

**Voltage Isolation:** 1500 Vac  
**Weight:** 283 g (10 oz)

### Regulated PSR Series

**Input:** 115V or 230 Vac models

**PSR-24S Dimensions:** 56 L x 49 W x 81 mm H (2.2 x 1.9 x 3.2")

#### U48Y40

**Input:** 110 Vac

**Output:** 48 Vdc at 400 mA

**Operating Range:** -10 to 65°C (14 to 150°F)

**Dimensions:** 114 H x 130 W x 87 mm D (4.49 x 5.12 x 3.44")

**To Order Visit [omega.com/psr-24s](http://omega.com/psr-24s) for Pricing and Details**

MODEL NO.	POWER SUPPLY	INPUT POWER	OUTPUT		TERMINATION
			V	MA	
PSR-24S	Regulated	115 Vac	24 Vdc	400 mA	Screw terminals
PSR-24L	Regulated	115 Vac	24 Vdc	400 mA	1.8 m (6') cord, stripped leads
PSR-24L-230	Regulated	230 Vac, CE	24 Vdc	400 mA	1.8 m (6') cord, stripped leads
U24Y175	Regulated	115/230 Vac	24 Vdc	175 mA	Screw terminals
U48Y40	Unregulated	110 Vac	48 Vdc	400 mA	Screw terminals

### ACCESSORY

MODEL NO.	DESCRIPTION
POWER CORD-SE	Power cord with stripped end termination

Comes complete with operator's manual.

Ordering Example: PSR-24L, 24 Vdc @ 400 mA power supply, with cord and stripped leads.