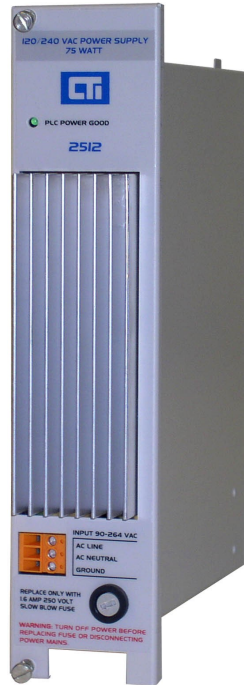


# 2512 75 Watt AC/DC Power Supply

Classic



## Description

The 2512 is a 120/240VAC/VDC Power Supply designed for CTI 2500 Series and SIMATIC® 505® PLCs. The triple-wide module provides up to 75 watts at +5VDC for use by the PLC CPU and I/O modules.

The 2512 also provides power using 125VDC from battery backup systems like those found in utility applications.

## Features

- CTI 2500 Series® or Simatic® 505 base format
- 90-264VAC, 47-63 Hz single-phase input power
- 125 VDC input power for utility applications
- Up to 75 watts @ +5VDC to PLC CPU and I/O modules

**Special Note:** The 2512 power supply is not compatible for operation in redundant bases. Applications requiring power supply redundancy should employ the 2512-A power supply.

## Specifications

### Field Connections:

One 3-pin 120VAC/125VDC input terminal strip

### Input Voltage Operating Range:

90-264VAC, 47-63Hz, single phase or 90-146VDC

### Total Wattage Rating:

75 Watts maximum output @ 0° C to 50° C  
(derating 1.75W/° C above 50° C)

### Steady State Input Current at full load:

1.50 Amps max. @ 110VAC  
0.75 Amps max. @ 220VAC  
1.27 Amps max. @ 90VDC  
0.85 Amps max. @ 125VDC

### Peak Inrush Current:

37 Amp. max. @ 240VAC input

### Fusing:

1.5 Amp 250V, 3 AG front panel accessible

### Hold Up Time:

100mSec @ 75W load

### Isolation:

1500VAC: 110/220 VAC-to-Backplane  
500VDC: Chassis-to-Backplane  
1500VAC: 110/220 VAC-to-Chassis  
IEC 60950-1

**Module Size:** Triple-wide

### Operating Temperature:

0° to 60° C (normal locations)  
0° to 50° C (Class 1 Div 2 locations)

### Storage Temperature:

-40° to 85° C (-40° to 185° F)

### Relative Humidity:

5% to 95% (non-condensing)

### Agency Approvals:

UL, UL-Canada, Class 1 Div 2, CE

(Note: Approvals apply for VAC ranges only.)

**Shipping Weight:** 5.0 lbs (2.3 kg)



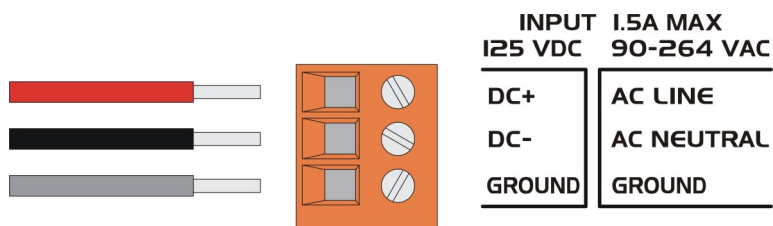
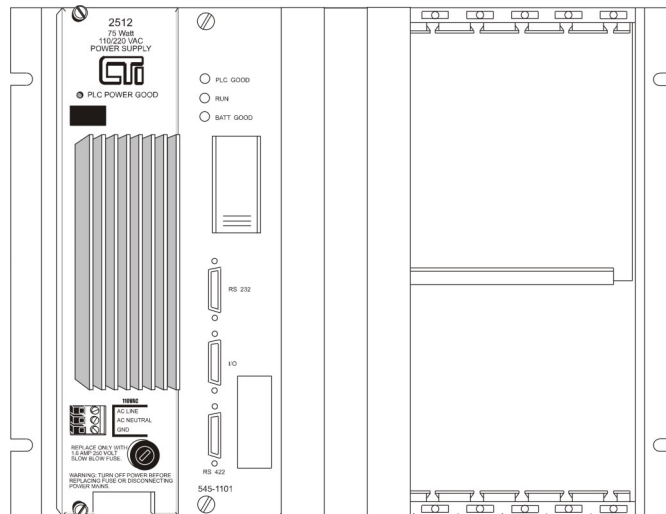
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ROCK SOLID PERFORMANCE. TIMELESS COMPATIBILITY.

## Power Supply Location in Base

The Power Supply must always be installed in the left-most slot of the system base. See figure below.



### WARNING:

Disable all power to the base before installing or removing the power supply. Failure to do so could cause damage to the equipment or injury to personnel.

### CAUTION:

Do not attempt to operate the 2512 Power Supply out of the Input Voltage Operating Ranges of 90 to 264 VAC. Damage to the Power Supply could occur if out-of-range input is applied.

## Installing and Removing the Power Supply

Use the following steps for installing and removing the 2512 Power Supply from the system base.

1. Position the power supply so that the bezel is facing you.
2. Grasp the top and bottom of the power supply.
3. Carefully slide the power supply into the left-most slot in the base until it engages into the backplane connectors.
4. Tighten top and bottom bezel screws into the base chassis.

**To remove power supply, reverse procedures 1 through 4 used for installation.**