

2512 75 Watt AC Power Supply



Description

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

Features

- SIMATIC® 505 base format
- 90-264VAC, 47-63 Hz single phase input power
- Up to 75 watts @ +5VDC to PLC CPU and I/O modules

Specifications

Field Connections:

One 3-pin 120VAC input terminal strip

Input Voltage Operating Range:

90-264VAC, 47-63Hz, single phase

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

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:

2800VDC: 110/220 VAC-to-Backplane

500VDC: Chassis-to-Backplane

1500VDC: 110/220 VAC-to-Chassis

Module Size:

Triple-wide

Operating Temperature:

0° to 60°C (32° to 140°F)

Storage Temperature:

-40° to 85°C (-40° to 185°F)

Relative Humidity:

5% to 95% (non-condensing)

Agency Approvals Pending:

UL, ULC, FM (Class 1, Div. 2), CE

Shipping Weight:

5.0 lbs (2.3 kg)



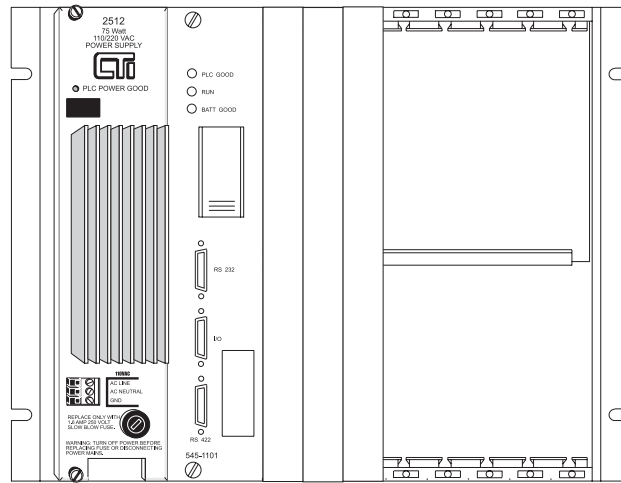
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Power Supply Location in Base

The Power Supply must always be installed in the left most slot of the 505 bases. 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 SIMATIC® 505 bases.

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.

