

## 2510 125VDC Power Supply



### Description

The Model 2510 is a 125 VDC Power Supply which provides up to 55 watts of I power for CTI 2500 Series™ or SIMATIC® 505 PLCs. Systems that must operate from 125 VDC batteries may use the Model 2510 to provide power for the PLC. This is a special order product which requires a minimum 10pc order.

The Model 2510 also accepts 110 VAC input power.

### Features

- 125 VDC input power for utility applications
- Also accepts 110 VAC input power
- 55 Watts @ +5 VDC to PLC to backplane

### Specifications

#### Field Connections:

One 3-pin input terminal strip

#### Input Voltage Operating Range:

90-146VDC or 90-132 VAC

#### Total Wattage Rating:

55 Watts maximum output @ 0°C to 60°C

#### Steady State Input Current at full load:

1.50 Amps DC max

2.5 Amps AC max.

#### Peak Inrush Current:

50 Amps max

#### Fusing:

3.0 Amp 250V, 3 AG front panel accessible

#### Isolation:

2800VDC: input-to-Backplane

500VDC: Chassis-to-Backplane

1500VDC: input-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)



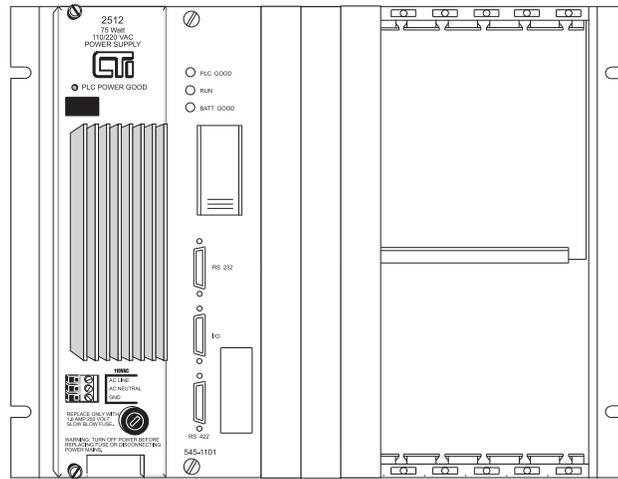
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## Power Supply Location in Base

The Power Supply must always be installed in the left most slot of the 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 2510 Power Supply out of the Input Voltage Operating Ranges.. 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 2510 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.**