



# 2500 Series® Compact System



## 2500C-PADP-120V 120VAC 50 Watt Power Supply



### DESCRIPTION

The 2500C-PADP-120V has been designed to replace the Siemens® Simatic 500 base Power Supply. It plugs directly into the base using the original 500 mounting design and requires no wiring changes. This power supply provides power for the CPU's, RBC's and all IO modules plugged in the 500 Chassis.

### FEATURES

- Direct replacement for :  
500-2151 & 500-2151-A
- 110/220 VAC 50/60Hz
- Maximum 50watts backplane power
- Xx mSec holdup time
- No wiring changes

### Input Specifications

Field Wiring Connector	Wired to the 500 base
Input Voltage Operating Range	80-264 VAC, 47-63Hz, single phase
Total Wattage Rating	50 watts maximum output @ 0 to 60°C
Steady State Input Current at full Load	1.10 Amps max @ 90VAC 0.90 Amps max @ 120VAC 0.45 Amps max @ 240VAC
Peak Inrush Current	9.4 Amps max @ 120VAC 18.7 Amps max @ 220VAC
Fusing	1.25 Amp slow blow 240VAC, 3 x 20mm front panel accessible
Hold Up Time	57 mSec @ 50 Watt Full Load

Module Size	Designed to mount directly in the base
Isolation	1500VAC: 110/220 VAC-to-Backplane 500VDC: Chassis-to-Backplane 1500VAC: 110/220 VAC-to-Chassis IEC 60950-1
Operating Temp Range	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% (non-condensing)
Shipping Weight	2.0 lb. (0.91 Kg)
Agency Approvals Pending	UL, ULC, FM(Class 1, Div 2), CE

♦ Note: All measurements are made from a power supply at 25°C .



### Control Technology Inc.

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CTI products are proudly  
Designed and  
Assembled in the USA



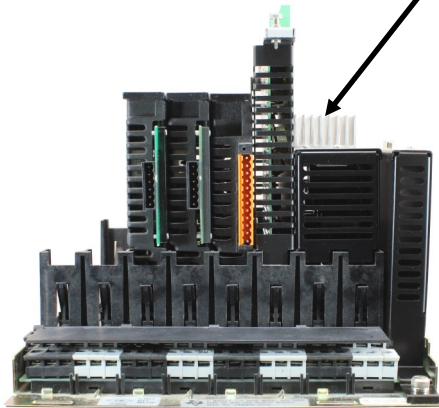


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2500C Compact Power Supplies. Notice the height is much less than the original 500 Power Supplies. No re-wiring is required.



**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 2500C-PADP-120V out of the Voltage Operating Ranges specified. Damage to the Power Supply could occur if out of range power input is applied.

### Installing Power Wiring

Use the following steps for installing and removing the 2500C-PADP-120V Power Supply from the 2500C Chassis.

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 connector.
4. Check to make sure the power input wires are securely inserted and the fastened in the wiring connector.
5. Be sure to push the top and bottom latches into the latched position to secure the Power Supply.
6. Once all the chassis modules including controllers and IO are inserted then you may apply power to the power supply inputs.

To remove the power supply, remove power from the power input turning off the power source, disengage the top and bottom mechanical latches, and pull the power supply forward out of the chassis until it clears the chassis.



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